

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

	12	
X		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-246

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 15, 1957

Ratherford (North Desert Creek)
Well No. 23-12 is located 1958 ft. from [M] line and 3300 ft. from [E] line of sec. 12

SW 12 41 S 23 E SLEM
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Ratherford (North Desert Creek) San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface of the ground~~ 4595 ft. (approx. ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Proposed Work:

1. Drill 11" hole to 1200'±.
2. Run and cement 8 5/8" casing at 1200'± (depending on water flow) with 600 sacks treated cement.
3. Drill 7 7/8" hole to 5315'±.
4. Cement 5 1/2" casing at 5315'± with 200 sacks construction cement.
5. Clean out to 5315'±.
6. Drill 4 3/4" hole to 5500'±.
7. Run 2 7/8" tubing with Sweet formation packer with side door nipple.
8. Treat formation with 500 gal. mud acid, 3000 gal. XFW and 3000 gal. retarded acid in two stages.
9. Pull tubing and packer. Run tubing.
10. Swab well, make production tests and establish rate.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

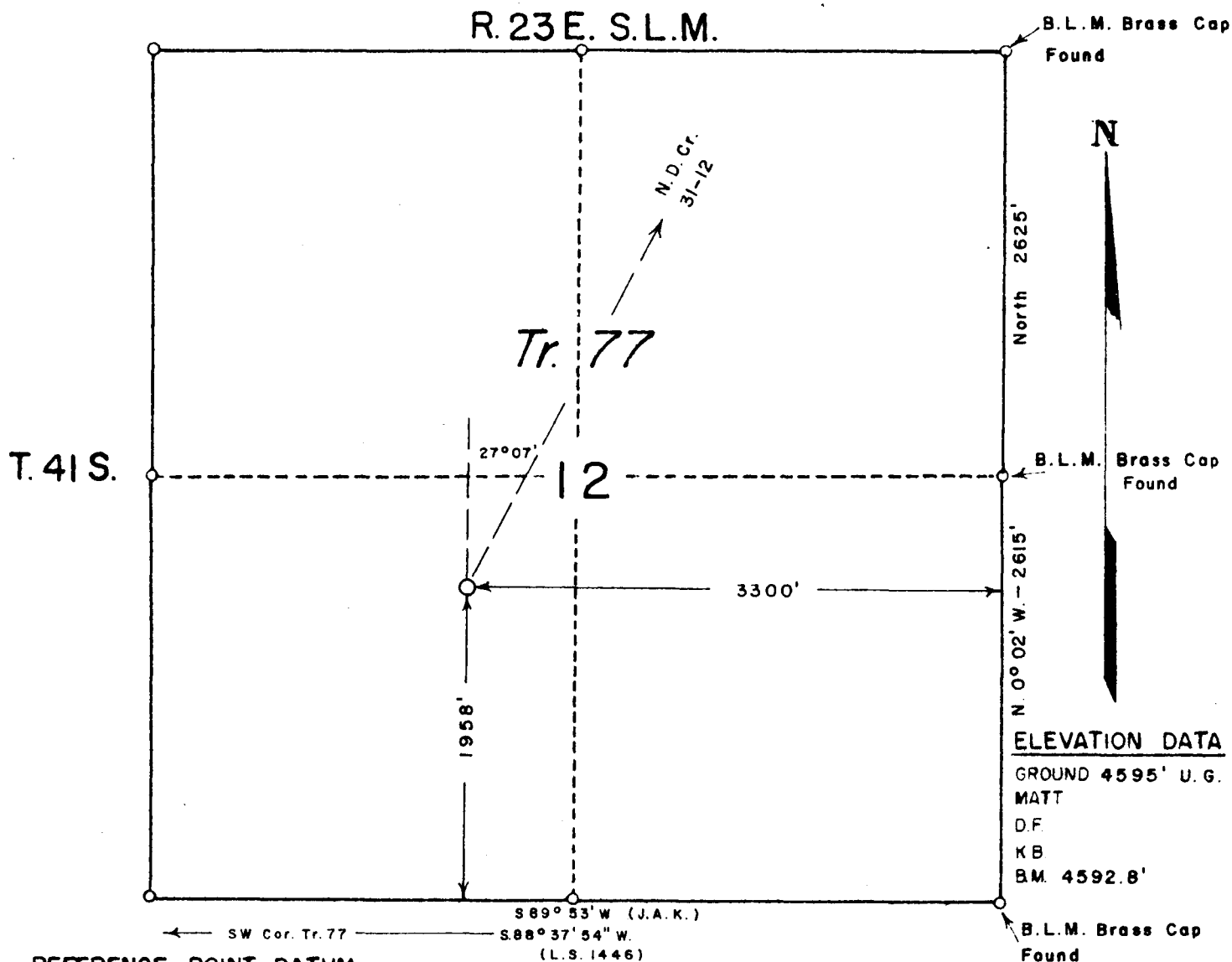
Address 101 South Behrend

Farmington, New Mexico

By B. W. Sheppard

B. W. Sheppard

Title Exploitation Engineer



REFERENCE POINT DATUM-

1"x2" STAKES SET AT 10' N, S, E, & W OF LOC

1"x2" stake and 3' flag set at 215' E., 240' S., 208' W., & 205' N. of Loc.

1"x2" hub and 10' flag set at Loc. being 1958' N. and 3300' W. of the SE corner of Sec. 12, Tr. 77, T. 41 S., R. 23 E., SLM.

1"x2" hub and 3' flag bears North 205' from Loc. for BM.

This is to certify that the above plat was prepared from field notes of actual surveys made under my supervision, and that the same are true and correct to the best of my knowledge and belief.

John A. Kroeger
 John A. Kroeger, Reg. L.S.
 Utah Reg. No. 1648



Drawn By: Ritter

Checked By: ACTeague

Date: 10/14/57

SHELL OIL COMPANY

Scale 1" = 1000'

220-685

LOCATION OF NORTH DESERT CREEK 23-12

SAN JUAN COUNTY, UTAH, SEC. 12, Tr. 77, T. 41 S., R. 23 E., SLM

October 22, 1957

Shell Oil Company
101 South Behrend
Farmington, New Mexico

ATTENTION: B. W. Shepard, Exploitation Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Rutherford (North Desert Creek) 23-12, which is to be located 1958 feet from the south line and 3300 feet from the east line of Section 12, Township 41 South, Range 23 East, SRM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

OLSON B. FREIGHT
SECRETARY

CBF:en

cc: Phil McGrath
USGS, Farmington,
New Mexico

DR-USGS

13

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-30-601-246

	X	

SUNDRY NOTICES AND REPORTS ON WELLS

Noted
11-18 *H*

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 8, 1957

North Desert Creek

Well No. 23-12 is located 1958 ft. from N line and 3300 ft. from E line of sec. 12

SW 12

(1/4 Sec. and Sec. No.)

41S

(Twp.)

23E

(Range)

11W

(Meridian)

Ratherford

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

The elevation of the Kelly Rushing above sea level is 4605.8 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

(Spudded 10-31-57)

10-31, 11-1-57 Ran and cemented 8-5/8" 24#, J-55 casing at 1391' with 1291 sacks treated cement. Good returns to surface, Flanged up and wited on cement. Tested BOP and casing with 700 PSI 15 minutes, Ok.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 South Behrend

Farmington, New Mexico

By

B. W. Shepard

B. W. Shepard

Title Exploitation Engineer

W *H*

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

	12	
X		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-30-603-246

*Noted
H 2/17*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of Well Completion</u> X	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 24, 19 58

North Desert Creek

Well No. 23-12 is located 1958 ft. from SW line and 3300 ft. from E line of sec. 12

SW 12 41 S 23 E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Rutherford San Juan Utah
(Field) (County or Subdivision) (State or Territory)

Kelly Pushing

The elevation of the ~~downish floor~~ above sea level is 4605.8 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 11-24,25-57 Ran and cemented 5-1/2", 14# J-55 casing at 5352' with 200 sacks construction cement.
11-26, 27, 28-57 Drilled 187'. Ran Induction-Electrical and Gamma Ray-Neutron logs.
11-29-57 Released drilling rig.
1-14-58 Spotted 500 gal. mud acid. Set lynes straddle packers at 5406' and 5447'. Acidized between packers with 1000 gal. regular and 1000 gal. retarded acid. Acidized above top packer same amount of acids. Acidized below bottom packer same amounts of acids.
1-15-58 Pulled packers and acidized with 1000 gal. regular and 1000 gal. retarded acid. Ran back with single packer, set at 5469'. Packer ruptured. Displaced 1000 gal. regular and 1000 gal. retarded acid through packer element.

(Over)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 S. Bahrend

Farmington, N. M.

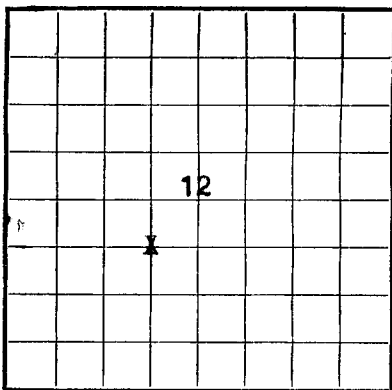
By B. W. Shepard

Title Exploitation Engineer

*14
1/1*

1-16-58 Ran 2-1/2" EUE tubing to 5538'. Swabbed well in.
1-19-58 Initial Production: Flowing 1632 B/D gross rate, 1562 B/D oil rate,
4.3% cut, 32/64" choke, TP 440, CP 200 - 330, 859 MCF/D gas rate,
GOR 550. Completed 1-19-58.

JAN 31 1958

U. S. LAND OFFICE Window Rock, Ariz.
SERIAL NUMBER 14-20-603-246
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 S. Behrend, Farmington, N. M.
Lessor or Tract Tribal - North Desert Creek Field Ratherford State Utah
Well No. 23-12 Sec. 12 T. 41S R. 23E Meridian SLBM County San Juan
Location 1958 ft. [N.] of S. Line and 3300 ft. [E.] of E. Line of Section 12 Elevation 4605.8 KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Original signed by
E. W. SEUPARD
Signed _____

Date January 24, 1958 Title Exploitation Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling October 31, 1957 Finished drilling November 30, 1957

OIL OR GAS SANDS OR ZONES

(Open hole)

(Denote gas by G)

No. 1, from 5352 to 5540 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	14	8	-	1396	Baker	-	-	-	Surface
5-1/2"	25	8	-	5342	Baker	-	-	-	Production
(Open hole)									
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1391	588 diamix + 700 sx	Displacement	-	-
5-1/2"	5352	200	"	-	-

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

8-5/8"	1391	588 diamix + 700 sx	Displacement	-	-
5-1/2"	5352	200	"		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 5540 feet, and from - feet to - feet

Cable tools were used from - feet to - feet, and from - feet to - feet

DATES

January 24, 19 58 Put to producing January 19, 19 58

The production for the first 24 hours was 1632 barrels of fluid of which 95.7 % was oil; % emulsion; 4.3 % water; and % sediment. Gravity, ~~RDK~~ Approx. 41° API

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES Hewit and Gulick Drilling Co.

J. R. Mercer _____, Driller E. C. Wayland _____, Driller

G. C. Kennedy _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1395	2193	798	Chinle
2193	2243	50	Shinarump
2243	2380	137	Moenkopi
2380	4355	1975	Cutler
4355	5334	979	Hermosa
5334	-	-	Paradox

FEB 19 1959

FROM—

TO—

TOTAL FEET

(OVER)

FORMATION

16-43094-4

FORMATION RECORD—CONTINUED

Ratherfora

DRILLING REPORT

FOR PERIOD ENDING

12

San Juan, Utah

11-30-57

T41S

R23E

(COUNTY)

(TOWNSHIP OR RANGE)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<p><u>Location:</u> 1958' N and 3300' W of SE Corner, Section 12, T41S, R23E, S. L. B. M., San Juan County, Utah.</p> <p><u>Elevations:</u> DF 4604.4' GR 4594.6' KB 4605.8'</p>
10-31 To 11-4	0	1667	<p>Spudded noon 10-31-57. Ran caliper log to 1396'. Ran and cemented (1378') 8-5/8", 28#, J-55 casing at 1391' with 365 sacks 50/50 diamix with 3% gel and 100 sacks cement treated with 2% calcium chloride. Stopped pump after overdisplacing four bbls, plug did not bump. Ran wire line- stopped at 1148'. Dropped plug and opened stage collar ports. Cemented through collar at 507' with 223 sacks 1/1 diamix followed by 100 sacks cement, to surface, but cement fell back on outside of casing. Cemented around outside of casing with 500 sacks of cement in batches. Annulus full of cement. Flanged up and waited on cement. Drilled out cement and collar at 507'. Pressure tested with 700 psi for 15 minutes, OK. Cleaned out to 1366, cement soft, Waited on cement.</p> <p>Located hard cement at 1387'. Pressure tested casing and BOP with 1000 psi for 15 minutes, OK.</p>
11-5 To 11-24	1667	5353	<p><u>Drilled 3686'</u>. Ran Electrical Survey and Gamma Ray Neutron log.</p>
11-25			<p>Ran and cemented (5342') 5-1/2", 14#, J-55 casing at 5352' with 200 sacks cement, final pressure 1500 psi.</p>
11-26 To 11-30	5353	5540	<p><u>Drilled 187'</u> (4-3/4" hole) Waited on cement. Located top of cement at 5307'. Cleaned out to 5353'. Drilled. Ran Induction-Electrical Survey and Gamma Ray-Neutron log. Displaced mud with water. Landed tubing at 5315'. Released rig 2:30 A.M. 11-30-57.</p> <p>Checked BOP daily</p> <p>Mud Summary</p> <p>wt 9.6-10.3 #/gal</p> <p>vis 38 - 54 sec</p> <p>wl 5-11 cc</p> <p>FC 1-2/32"</p>

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES 4-1/2"				

Contractor: Hewit & Gulick Drilling Co.
 Drillers: J. R. Mercer
 G. C. Kennedy
 E. C. Wayland

B. B. Robinson

SIGNED

Ratherford

DRILLING REPORT

FOR PERIOD ENDING

1-19-58

12

(SECTION OR LEASE)

T41S

R23E

(TOWNSHIP OR RANCH)

(FIELD)

San Juan, Utah

(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
1-14 To 1-15	5540	TD	Rigged up completion rig, pulled tubing. Ran tubing with two Lynes packers. Washed open hole interval (5352-5540) with 500 gal. mud acid, acid went on vacuum immediately. After 1 hour set Lynes packer at 5406 and 5447'. Injected (between packers) 1000 gal. XFW acid and 1000 gal. Jel X-100 acid, overflushed with 24 bbls water. Maximum pressure 2200 psi, final pressure 0, ave. rate 4 bbl/minute. Injected (above packers 5352-5406) 1000 gal. XFW acid and 1000 gal. Jel X-100 acid, overflushed with 24 bbls water, Maximum pressure 3500 psi, final pressure 3200 psi, average rate 3 bbl/minute. Bled to 500 psi in 1-1/4 hours. Injected (below packers -- 5406-5540) 1000 gal. XFW acid and 1000 gal. Jel X-100 acid, overflushed with 24 bbls water, Maximum pressure 1700 psi, final pressure 0, average rate 4.5 bbl/min. Released packers, reset bottom packer at 5471, could not fill tubing. Displaced 1000 gal. XFW acid and 1000 gal. Jel-X-100 acid and 1000 gal. water into formation. Maximum pressure 1500 psi, final pressure 0. Average rate 4.5 bbl/min. Pulled Lynes straddle packers, found bottom packer ruptured. Ran back with single Lyne packer, set at 5469'. Pumped 3/4 bbl acid into formation (5469-5540) in 2-1/2 hours, pressure 3500-3800 psi, packer kept creeping up hole, applied more pressure and packer ruptured. Displaced 1000 gal. XXFW acid, 1000 gal. Jel X-100 acid and 1000 gal. water through packer element. Maximum pressure 1000 psi, final pressure 0, rate 4.5 bbl/min. Pulled packer 12' and stuck. Worked free after 4 hours.
1-16			Ran 2-7/8" EUE tubing to 5538'. Swabbed 5 hours, well began to flow. Flowed to pits for 4 hours to clean. Shut in.
1-18 To 1-19			Opened well, flowed to pits 2 hours. INITIAL PRODUCTION Flowing, 1632 B/D gross, 1562 B/D oil, cut 4.3%, 32/64" bean, 860 MCF/D, GOR 551, TP 440, CP 200-330. Completed 1-19-58

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
11"	0	1391	8 5/8"	1391'
7 7/8"	1391	5353	5 1/2"	5352'
4 3/4"	5353	5540		
DRILL PIPE 4 1/2"				

B. B. Robinson

SIGNED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIP
(Other instruction
verse side)TE
reForm approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-346
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal
3. ADDRESS OF OPERATOR Box 1150, Cortez, Colorado 81321		7. UNIT AGREEMENT NAME SM-I-4192
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1950' FSL; 3300' FEL, SW Sec. 12		8. FARM OR LEASE NAME Rutherford Unit
14. PERMIT NO.		9. WELL NO. 12-23
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4605.6 KB		10. FIELD AND POOL, OR WILDCAT Greater Aneth Field
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 12-412-23E SLAN
		12. COUNTY San Juan 18. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) **Plug back, perf., & acidize**

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plug back open hole Zone II from 5540' TD to 5448' with 62' of sand and a 30' Hydromite plug, pump test Zone I until stabilized, not retrievable BP at 5345', perforate Lower Irmay 5310-14 and 5320-35', acidize Lower Irmay with 9000 gallons 15% in two stages, pull BP, commingle lower Irmay and Zone I.

If commercial production is not established from Zone I, acidize with 9000 gallons 15% in two stages using Lynes straddle packer.

Previous Production: Shut Down. Last well test 11/16/67: 0 BOPD, 519 BWPD, 75 MCFGD

18. I hereby certify that the foregoing is true and correct

SIGNED

C. M. Bulau

TITLE

District Superintendent

DATE

2-28-68

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DISTRIBUTION: Orig. & 2 cc: USGS, Farmington, N.M.

2 cc: UOAGCC, SLC, Utah

1 cc: Bvillo *See Instructions on Reverse Side

1 cc: Denver

1 cc: File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THE
(Other Instructions
reverse side)

USE
re-

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

12-23

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

12-415-238 S.L.B.M.

12. COUNTY OR DISTRICT 13. STATE

San Juan

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

Drawer 1150, Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

1958' FSL; 3300' FEL, SW Sec. 12

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4605.8' KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Plug Back

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On April 15, 1968 moved in well service unit, tagged TD at 5515' with tubing, ran wireline to 5523'. Dumped gravel and frac sand to 5481'. Halliburton dumped hydromite, plugged back to 5442' PBTD. Ran pumping equipment, started well pumping April 18, 1968. Moved out well service unit.

NOTE: This completes work under approval 2/23/68 to Plug back, perforate and acidize; however, perforating and acidizing not performed.

PREVIOUS PRODUCTION: Shut down since 12-12-67.

(NOTE: Last test before shut down was 11-16-67: 0 BO, 73 MCF Gas, 519 BW in 24 hours PM).

PRESENT PRODUCTION: 18 BOPD, 32 MCFOPD, 338 BWPD*

*Water believed to be Zone II water that had infiltrated Zone I before the plug back and is expected to eventually be all pumped back.

18. I hereby certify that the foregoing is true and correct

SIGNED

C. H. Boles

TITLE

District Superintendent

DATE

7-29-68

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

DISTRIBUTION: Orig. & 2 cc: USGS, Farmington, N.M.

2 cc: Utah O&GCC, Salt Lake City

1 cc: Bville

*See Instructions on Reverse Side

1 cc: Denver

1 cc: Superior Oil Co., Cortez

1 cc: File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

14-30-603-216

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

S-I-4392

8. FARM OR LEASE NAME

Hatherton Unit

9. WELL NO.

12-23

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

12-415-23 S.L.B.M.

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.)
2. NAME OF OPERATOR Phillips Petroleum Co.		4605.8 KB
3. ADDRESS OF OPERATOR Drawer 1150, Cortez, Colorado 81321		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1958' FSL; 3300' FSL, NW Sec. 12		

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) Squeeze, perf. and acidize ☒PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Squeeze Zone II, drill out to 5440', perforate Zone I with 2 shots/ft. 5354-5440 (48' OA, 4 intervals), acidize with 8000 gallons 15% Reg, 4 stages, perforate 5310-55 (19' OA, 2 intervals) and acidize Isany.

Present Production: 15 BOPD, 37 MFCUPD, 474 BWPD.

18. I hereby certify that the foregoing is true and correct

SIGNED

C. K. Polan

TITLE District Superintendent

DATE 12-20-68

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Orig & 2 cc: USGS, Farmington, NH
2 cc: Utah OROCC, Salt Lake City

*See Instructions on Reverse Side

1 cc: B'ville
1 cc: Denver
1 cc: File

April 15, 1969

Phillips Petroleum Co.
Drawer 1150
Cortez, Colorado 81321

Re: Well No. Ratherford #12-23
Sec. 12, T. 41 S, R. 23 E,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report of Squeezing, Perforating, and Acidizing is due and has not been filed with this office.

It would be appreciated if you could complete the enclosed forms at your convenience and forward them to this office.

Thank you for your cooperation with regard to this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SEHEREE DeROSE
SECRETARY

:sd
Enclosures

5

P. O. Drawer 1150
Cortez, Colorado 81321

April 21, 1969

Re: Well No. Hatherford #12-23
Sec. 12, T. 41S, R. 23 E,
San Juan County, Utah

State of Utah
Department of Natural Resources
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Scheree DeRose, Secretary

In reply to your letter of April 15, 1969 requesting Subsequent Report of Squeezing, Perforating, and Acidizing on subject well, this is to advise that all of the work authorized by the approving Sundry Notice has not yet been completed. As soon as the job is complete, we will furnish your office the subsequent report.

Sincerely,

PHILLIPS PETROLEUM COMPANY


C. M. Boles
District Superintendent

must to
✓
HFB

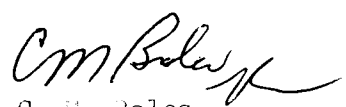
To: Scheree DeRose, Secretary

May 29, 1969

We have received your subject letter of May 27, 1969 which followed your letter of April 15, 1969. Apparently you did not receive our answer to your letter of April 15, which we have reproduced above. The work still has not been completed. We will furnish the subsequent report at such time as the work is complete. If this will not be satisfactory, please advise.

Sincerely,

PHILLIPS PETROLEUM COMPANY

W

C. M. Boles
District Superintendent

May 27, 1969

Phillips Petroleum Co.
Drawer 1150
Cortez, Colorado 81321

Re: Well No. Rutherford Unit #10-23
Sec. 12, T. 41 S, R. 23 E,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report of Squearing, Perforating, and Acidizing is due and has not as yet been filed with this office.

It would be appreciated if you could complete the enclosed forms and forward them to this office at your earliest convenience.

Thank you for your cooperation with regard to this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SCHEREE DeROSE
SECRETARY

:sd
Enclosures

7

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

12-23

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

12-413-23E 318H

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Phillips Petroleum Company *Shell*

3. ADDRESS OF OPERATOR

P. O. Drawer 1150, Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1958' FSL; 3300' FEL SW Sec. 12

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4605.8 KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETION ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐*Squeeze, perf & acidize* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 1-5-69 set retrievable cementer at 5334', squeezed Desert Creek Zone II through Zone I open hole 5352-5442' to 3500', drilled cement from 5334' to 5440' PBTD. Perforated Zone I 5354-58, 5371-76, 5386-5403, and 5418-5440'. Acidized with 8000 gallons 15% in 4 equal stages. Pumped and tested from 1-13-69 to 8-19-69. On 8-19-69, set retrievable cementer at 5340', squeezed to 4500', drilled 4-3/4" hole from 5342' to 5430' PBTD, perforated Zone I 5354-58, 5371-76, 5386-5403 and 5418-26'. (LOST AND LEFT IN HOLE: ONE 3/4" x 8" LONG BAR FROM PERFORATING TOOL). Acidized with 1000 gallons 15%. Pumped and tested 8-28-69 to 1-4-70. On 1-4-70, perforated 5310-14 and 5320-35' in Ismay, acidized Ismay with 5000 gallons 15% in two equal stages, returned to production from Ismay perforations 5310-14 and 5320-35 and Desert Creek Zone I open hole 5352-5430'.

PREVIOUS PRODUCTION (Greater Aneth, Paradox Formation - Desert Creek Zone I):

15 BOPD, 37 MCFGPD, 474 BWPD

PRESENT PRODUCTION: (Greater Aneth, Paradox Formation - Ismay and Desert Creek Zone I):

43 BOPD, 38 MCFGPD, 398 BWPD

18. I hereby certify that the foregoing is true and correct

SIGNED

C. H. Boles
C. H. Boles

TITLE District Superintendent

DATE 2-25-70

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Orig. & 2 cc: USGS, Farmington, NH
2 cc: Utah O&GCC, Salt Lake City, Utah

*See Instructions on Reverse Side

1 cc: Denver

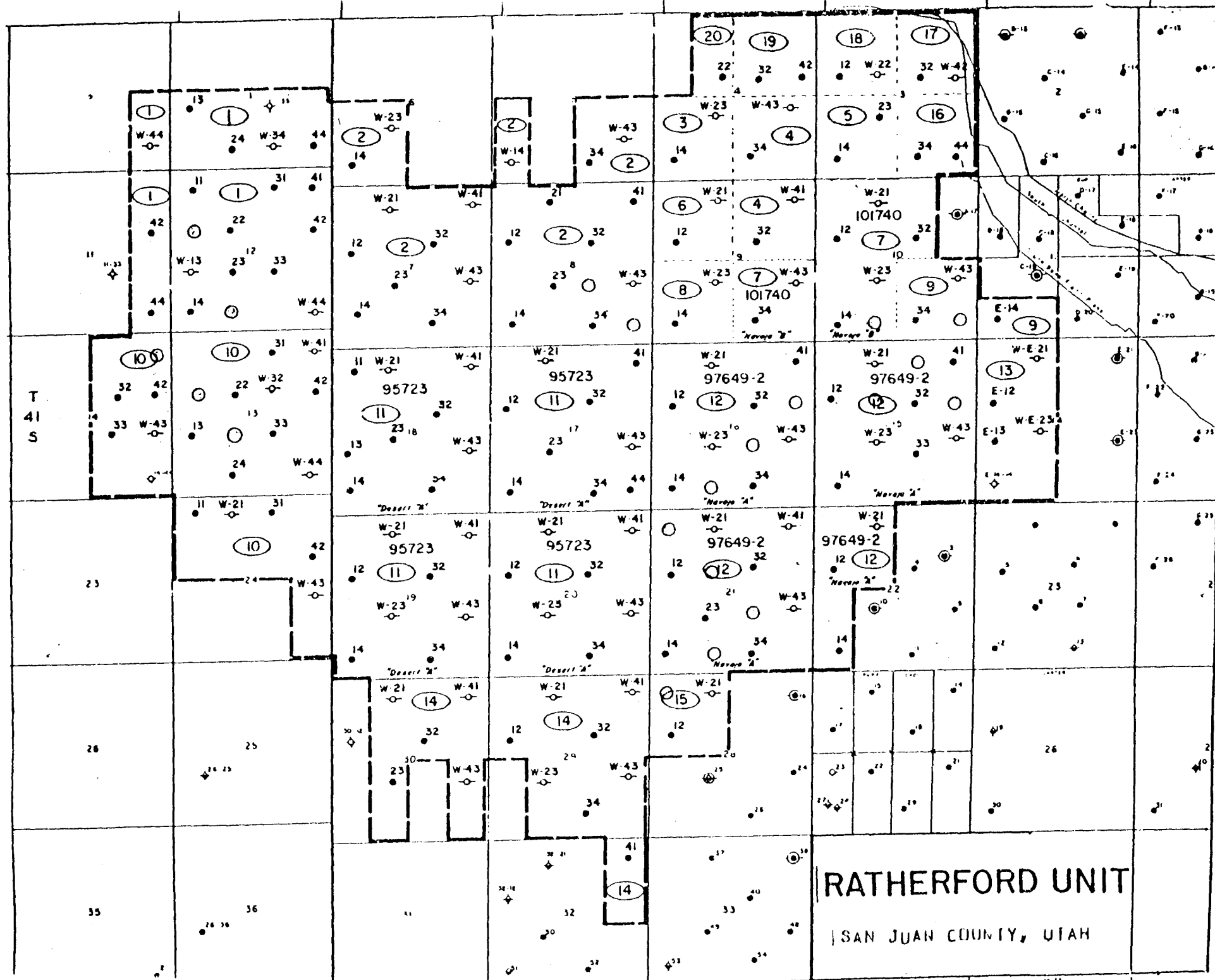
1 cc: Superior Oil Co., Cortez, Colo.

1 cc: File

6. UNIT OPERATOR (Well operator)

Phillips Petroleum Company is hereby designated as Unit Operator and by signature hereto as Unit Operator agrees and consents to accept the duties of Unit Operator for the development and production of Unitized Substances as herein provided.

Taken from the Ratherford Unit Agreement.
Operator Name Change.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR
PHILLIPS PETROLEUM COMPANY

3. ADDRESS OF OPERATOR
P. O. Box 2920, Casper, WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1958' N & 3300' W of SE Corner, NESW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☒
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

(other) Cement liner in open hole & perforate.

5. LEASE
14-20-603-246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
SW-I-4192

8. FARM OR LEASE NAME
Ratherford Unit

9. WELL NO.
12-23

10. FIELD OR WILDCAT NAME
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 12-41S-23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-15848

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4605.8' RKB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Cement 3½" liner in open hole, perforate and acidize Zone I, return well to production.

Perf intervals: 5418'-40', 5386'-5403', 5371'-76', and 5354'-58'.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 8-7-80

BY: M. J. Menden

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED D. S. Fisher

TITLE Operations Supt. DATE August 1, 1980

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

3 - USGS, Farmington, NM

2 - Utah O&G CC, Salt Lake City, UT

1 - Southland Royalty, Farmington, NM

1 - T. M. Isaacs

1 - File

*See Instructions on Reverse Side

RECEIVED
AUG 4 1980
Set

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐ **27 1981**

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
P.O. Box 2920 Casper, WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1958' FSL & 3300' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Squeeze Lower Interval			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Squeeze open hole, 5352' - 5430', drill out, reperf 5354'-5402' O.A., acidize w/7,000 gals 28% HCL, and return to production.

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 8-31-81
BY: M. J. Munder

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED D. J. Fisher TITLE Operations Supt. DATE _____

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

- 3- USGS Farmington, N.M.
- 2 Utah O&G CC Salt Lake City, Utah ✓
- 1-Superior Oil, The Woodlands, TX
- 1-File

*See Instructions on Reverse Side

5. LEA
14-20-603-246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
SW-I-4192

8. FARM OR LEASE NAME
Ratherford Unit

9. WELL NO.
12-23

10. FIELD OR WILDCAT NAME
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 12-41S-23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-15848

15. ELEVATIONS (SHOW DF, KDB, AND WD)
RKB-4605.8'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well <input checked="" type="checkbox"/>	gas well <input type="checkbox"/>	other <input type="checkbox"/>
2. NAME OF OPERATOR Phillips Petroleum Company		
3. ADDRESS OF OPERATOR P.O. Box 2920, Casper, WY 82602		
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: 1958' FSL & 3300' FEL AT TOP PROD. INTERVAL: AT TOTAL DEPTH:		
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Sqz Lower Interval	X

5. LEASE 14-20-603-246-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
7. UNIT AGREEMENT NAME SW-I-4192
8. FARM OR LEASE NAME Ratherford Unit
9. WELL NO. 12-23
10. FIELD OR WILDCAT NAME Greater Aneth
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Sec. 12-T41S-R23E
12. COUNTY OR PARISH San Juan
13. STATE Utah
14. API NO. 43-037-15848
15. ELEVATIONS (SHOW DE, KDB, AND WD) 4605.8' RKB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Sqzd Ismay, Zone I & II perfs 5310-5430' OA w/300' 5" Class H cmt. Drld out to new PBTD 5406'. Perfd Ismay from 5310-5320-35'; Zone I from 5354-58', 5371-76', 5386-5400', 2" JSPT 4" hollow steel carrier csg gun. Acidized w/4000 gal 28% HCl in 3 stages. Ran pump & rods & returned to a pumping oil well 5/25/83 from Ismay & Zone I perfs 5310-5400' OA

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED A. E. Stuart TITLE Area Manager DATE 6/30/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

- 3 - USGS, Farmington, NM
- 2 - Utah O&G CC, Salt Lake City, Utah
- 1 - Superior Oil
- 1 - File
- 1 - T. M. Isaacs

*See Instructions on Reverse Side



SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL <input checked="" type="checkbox"/> WELL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 96-004192 ✓	
2. NAME OF OPERATOR Phillips Oil Company		6. IF INDIAN, ALLOTED OR TRIBE NAME Navajo	
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602		7. UNIT AGREEMENT NAME Ratherford Unit ✓	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface See Attached		8. FARM OR LEASE NAME	
14. PERMIT NO. See Attached		9. WELL NO.	
15. ELEVATIONS (Show whether OF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT N/A	
		11. SEC. T., R., M., OR BLK. AND ACREAGE OR AREA See Attached	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON ☐CHANGE PLANS ☐

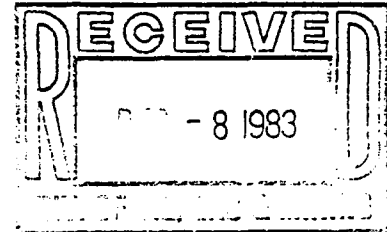
SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

To show change of Operator only. Phillips Oil Company assumed operations effective December 1, 1983 from Phillips Petroleum Company. See attached for list of wells.



Org. & 3-BLM

1-The Navajo Nation
1-Mary Wiley Black
1-Lawrence E. Brock
1-Chevron USA
1-Ralph Fixel
1-Royal Hogan
1-W. O. Keller
1-Dee Kelly Corp.

1-Robert Klabzuba
1-Micheal J. Moncrief
1-Richard B. Moncrief
1-Lee W. Moncrief
1-Mary H. Morgan
1-W. A. Moncrief
1-W. A. Moncrief, Jr.
1-L. F. Peterson

1-Shell Oil Co.
1-Southland Royalty Co.
1-Superior Oil Co.
1-Leroy Shave
1-Texaco, Inc.
1-Wade Wiley, Jr.
1-Edwin W. Word, Jr.
1-File

18. I hereby certify that the foregoing is true and correct

SIGNED A. E. Stuart TITLE Area Manager

DATE 12/6/83

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

WELL NO.	WELL LOCATION	API NO.	STATUS
29-34	SW SE Sec. 29-T41S-R24E	43-037-15340	Act.
30-23	NE SW Sec. 30-T41S-R24E	43-037-15341	SI
30-32	SW NE Sec. 30-T41S-R24E	43-037-15342	SI
32-41	NE NE Sec. 32-T41S-R24E	43-037-15344	SI
1-13	NW SW Sec. 1-T41S-R24E	43-037-15838	Act.
1-24	SE SW Sec. 1-T41S-R24E	43-037-15839	Act.
1-44	SE SE Sec. 1-T41S-R24E	43-037-15840	Act.
6-14	SW SW Sec. 6-T41S-R24E	43-037-15894	Act.
7-12	SW NW Sec. 7-T41S-R24E	43-037-15985	SI
7-14	SW SW Sec. 7-T41S-R24E	43-037-15986	SI
7-23	NE SW Sec. 7-T41S-R24E	43-037-15987	SI
7-32	SW NE Sec. 7-T41S-R24E	43-037-15988	SI
7-34	SW SE Sec. 7-T41S-R24E	43-037-15989	Act.
11-42	SE NE Sec. 11-T41S-R23E	43-037-15841	Act.
11-44	SE SE Sec. 11-T41S-R23E	43-037-15842	Act.
12-11	NW NW Sec. 12-T41S-R23E	43-037-15843	Act.
12-14	SW SW Sec. 12-T41S-R23E	43-037-15844	Act.
12-22	SE NW Sec. 12-T41S-R23E	43-037-15845	Act.
12-23	NE SW Sec. 12-T41S-R23E	43-037-15846	Act.
12-31	NW NE Sec. 12-T41S-R23E	43-037-15847	Act.
12-33	NW SE Sec. 12-T41S-R23E	43-037-15848	Act.
12-41	NE NE Sec. 12-T41S-R23E	43-037-15849	Act.
12-42	SE NE Sec. 12-T41S-R23E	43-037-15850	Act.
13-13	NW SW Sec. 13-T41S-R23E	43-037-15851	Act.
13-22	SE NW Sec. 13-T41S-R23E	43-037-15852	Act.
13-24	SE SW Sec. 13-T41S-R23E	43-037-15853	Act.
13-31	NW NE Sec. 13-T41S-R23E	43-037-15854	Act.
13-33	NW SE Sec. 13-T41S-R23E	43-037-15855	Act.
13-42	SE NE Sec. 13-T41S-R23E	43-037-15857	Act.
14-32	SW NE Sec. 14-T41S-R23E	43-037-15858	Act.
14-33	NW SE Sec. 14-T41S-R23E	43-037-15859	SI
14-42	SE NE Sec. 14-T41S-R23E	43-037-15860	Act.
24-11	NW NW Sec. 24-T41S-R23E	43-037-15861	SI
24-31	NW NE Sec. 24-T41S-R23E	43-037-15862	Act.
E11-14	SW SW Sec. 11-T41S-R24E	43-037-16167	Act.
3-12	SW NW Sec. 3-T41S-R24E	43-037-15620	Act.
3-14	SW SW Sec. 3-T41S-R24E	43-037-15124	Act.
3-23	NE SW Sec. 3-T41S-R24E	43-037-15125	SI
3-32	SW NE Sec. 3-T41S-R24E	43-037-15621	SI
3-44	SE SE Sec. 3-T41S-R24E	43-037-15031	Act.
4-14	SW SW Sec. 4-T41S-R24E	43-037-16163	Act.
4-22	SE NW Sec. 4-T41S-R24E	43-037-15622	SI
4-32	SW NE Sec. 4-T41S-R24E	43-037-15623	SI
4-34	SW SE Sec. 4-T41S-R24E	43-037-16164	Act.
4-42	SE NE Sec. 4-T41S-R24E	43-037-15624	SI
5-34	SW SE Sec. 5-T41S-R24E	43-037-15983	SI
8-12	SW NW Sec. 8-T41S-R24E	43-037-15991	Act.
8-14	SW SW Sec. 8-T41S-R24E	43-037-15992	Act.
8-21	NE NW Sec. 8-T41S-R24E	43-037-15993	Act.
8-23	NE SW Sec. 8-T41S-R24E	43-037-15994	Act.
8-32	SW NE Sec. 8-T41S-R24E	43-037-15995	SI

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-246-A	
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
3. ADDRESS OF OPERATOR P. O. Box 1150, Cortez, CO 81321		7. UNIT AGREEMENT NAME SW-I-4192	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1958' FSL & 3300' FEL		8. FARM OR LEASE NAME Ratherford Unit	
API# 43-037-15846		9. WELL NO. #12-23	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Greater Aneth	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4605' RKB		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 12, T41S, R23E	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

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MAY 27 1988
DIVISION OF
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Other) _____

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

February 4, 1988 through February 8, 1988

Move in and Rig up Well Service Unit 2/4/88. Acidize with 1000 gal. 28% HCl. Swab well. Ran pump & rods. Release rig 2/8/88. Place well back on production. 2/8/88.

Production Before: 2 BOPD, 2 BWPD
Production After: 8 BOPD, 7 BWPD

4-BLM
2-Utah O & G
1-M. Williams, Bartlesville
1-R. J. Rundt (r) Engineering
1-D. C. Gill (r) Denver Files
1-Cortez Office - RC

18. I hereby certify that the foregoing is true and correct

SIGNED J. Keno TITLE District Superintendent DATE 5/18/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-1135
Expires September 30 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5 Lease Designation and Serial No.

14-20-603-246

6 If Indian, Allottee or Tribe Name

Navajo Tribal

7 If Unit or CA, Agreement Designation

Ratherford Unit
SW-I-4192

8 Well Name and No.

12-23

9 API Well No.

42-037-15846

10 Field and Pool, or Exploratory Area

Greater Aneth

11 County or Parish, State

San Juan, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Phillips Petroleum

3. Address and Telephone No.

(505) 599-3412

5525 Hwy 64 NBU 3004 Farmington, NM 87401

4 Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980'FNL, 1980'FEL, Sec 12, T41S, R23E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other	

Deepening

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well has additional pay potential in Desert Creek Zone I. It is proposed that we deepen PBTD from the existing 5406' to 5451'. The additional pay will be logged to check for oil saturations and potential water flow. If the additional Zone does not look economical to produce or if a water flow is present, the well will be plugged back to \pm 5406'. If the Zone has good oil saturation it will be produced.

RECEIVED

AUG 22 1991

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed L. E. Robinson

Title Sr. Drlg & Prod Eng

(This space for Federal or State signature)

Approved by _____
Conditions of approval, if any: _____

Title _____

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 9/9/91

BY: [Signature]

Title 18 U.S.C. Section 1121, makes it unlawful for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

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OCT 10 1991

5. Lease Designation and Serial No.
14-20-603-246

6. If Indian, Allottee or Tribe Name

Navajo Tribal

If Unit or CA, Agreement Designation

Ratherford Unit
SW-I-4192

8. Well Name and No.

Ratherford Unit #12-23

9. API Well No.

43-037-15846

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec. 12, T41S, R23E
1958' FSL & 3300' FEL

DIVISION OF
OIL GAS & MINING

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8-19-91 thru 8-26-91

MIRU DDU. COOH w/production equipment. Clean out well to PBTD 5406'. Drilled cement from 54-6'-5502'. Ran GR-DIL 5502'-5352'. Ran WFL @ 1350'. No Flow. Attempted to squeeze 5452'-5502'. Set balance plug 5501'-5426'. DS.

8-29-91 thru 9-13-91

RU Western to frac. Pmpd 476 bbls X-linked pad & 84 bbls of linear gel & 22,000# of 20/40 sand. Max press. 10,000 psi, Avg press. 7,000 psi, @ 20 BPM. Opened well and tested casing w/RBP @ 5280'. Csg good from 5280' to 1619'. Tested 5280'-1619' @ 1000#. RU Dowell and PT surface line to 2000 psi. Circ. 3 BPM @ 0 psi, Pmpd 66 bbls of 15.8 ppg D907 Class G cement w/D127 fluid loss additive and 3% Calcium Chloride 3 bpm @ 0 psi; and displaced w/11.5 bbls of fresh wtr 3 bpm @ 300 psi, RD Dowell. Got 6 bbls cement returns to surface. Csg leak @ 1604'-1619'. Repaired leak. Circulated hole clean from 5392'. Swabbed back 37 bbls oil and 62 bbls wtr. TP-80#, CP-115#. ND BOP's & NU WH. SN @ 5380'. Set TAC w/15000#. PT tubing and pump to 500 psi - good. RD and released rig.

NOTE: Received verbal from Ken Townsend on 9-4-91 to repair csg leak.

14. I hereby certify that the foregoing is true and correct

Signed [Signature]

Title Sr. Drlg. & Prod. Engr.

Date 10-7-91

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1958' FSL & 3300' FEL
Sec. 12, T41S, R23E

5. Lease Designation and Serial No.

14-20-603-246A

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

Ratherford Unit
SW-I-4192

8. Well Name and No.

Ratherford Unit #12-23

9. API Well No.

43-037-15846

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

11-13-91 thru 11-25-91

MI & RU DDU. Attempted to fish inflatable pkr @ 5410'. Unable to retrieve. It became uneconomical to continue fishing operations. Well put back on production.

RECEIVED

JAN 13 1992

DIVISION OF
OIL & GAS MANAGEMENT

14. I hereby certify that the foregoing is true and correct

Signed T. E. Robinson

Title Sr. Drlg. & Prod. Engr.

Date 1-8-92

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MININGPage 1 of 10

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

P J KONKEL
PHILLIPS PETROLEUM COMPANY
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

RECEIVED

AUG 16 1993

ACCOUNT NUMBER: N0772

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF
OIL, GAS & MININGAMENDED REPORT ☐ (Highlight Changes)

Well Name						Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location							OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23											
4303713754	06280	41S	24E	21	DSCR	POW	29	1374	883	58	
#3-44											
4303715031	06280	41S	24E	3	DSCR	POW	30	111	94	2905	
#3-14											
4303715124	06280	41S	24E	3	DSCR	POW	30	67	23	302	
#9-12											
4303715126	06280	41S	24E	9	DSCR	POW	30	112	654	17363	
#9-14											
4303715127	06280	41S	24E	9	DSCR	POW	30	201	315	423	
#28-12											
4303715336	06280	41S	24E	28	PRDX	POW	29	112	47	2428	
#29-12											
4303715337	06280	41S	24E	29	PRDX	POW	29	56	0	672	
#29-32											
4303715339	06280	41S	24E	29	DSCR	POW	29	1402	287	2224	
#29-34											
4303715340	06280	41S	24E	29	DSCR	POW	29	757	48	0	
#30-32											
4303715342	06280	41S	24E	30	DSCR	POW	29	588	1049	3744	
#3-12											
4303715620	06280	41S	24E	3	DSCR	POW	30	268	11	363	
#9-34											
4303715711	06280	41S	24E	9	DSCR	POW	30	45	46	9800	
#10-12											
4303715712	06280	41S	24E	10	DSCR	POW	30	45	23	1088	
TOTALS									5138	3480	41370

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the

Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box

633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/11/93

Name and Signature: PAT KONKEL

Pat Konkell

Telephone Number: 505 599-3452

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Page 1 of 1

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

LS Sheffield
 BRIAN BERRY
~~MEPNA MOBIL~~
~~P.O. BOX 219031 1807A RENTWY~~ *P.O. DRAWER 6*
 DALLAS TX 75221-9031 *CORTEZ, CO. 81321*

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT ☐ (Highlight Changes)**931006 updated.*

ENTITY NUMBER	PRODUCT	GRAVITY BTU	BEGINNING INVENTORY	VOLUME PRODUCED	DISPOSITIONS				ENDING INVENTORY
					TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	
05980	OIL			177609	177609	0			
	GAS			72101	66216	5885			
11174	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
TOTALS				249710	243925	5885			

COMMENTS:

PLEASE NOTE ADDRESS change. Mobil ~~also~~ production reports will be compiled and sent from the Cortez, Co. office IN THE FUTURE.

I hereby certify that this report is true and complete to the best of my knowledge.

Name and Signature:

Lowell B Sheffield

Date: 9/5/93

Telephone Number:

303 565 2212
244 158 2528

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p align="center">(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		5. LEASE DESIGNATION & SERIAL NO.	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL	
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME RATHERFORD UNIT	
2. NAME OF OPERATOR MOBIL OIL CORPORATION		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702		9. WELL NO.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		10. FIELD AND POOL, OR WILDCAT GREATER ANETH	
At proposed prod. zone		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
14. API NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY SAN JUAN	13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐ CHANGE OF OPERATOR

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT.
ATTACHED ARE THE INDIVIDUAL WELLS.

18. I hereby certify that the foregoing is true and correct

SIGNED

Shirley Todd

TITLE

ENV. & REG TECHNICIAN

DATE

9-8-93

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

WELL #	API#	LEASE #	SEC., T. R	LOCATION OF WELL
01W-13	43-037-15838	14-20-603-246A	SEC. 1, T41S, R23E	NW/SW 1980 FSL; 660 FWL
01-14	43-037-31162	14-20-603-246A	SEC. 1, T41S, R23E	SW/SW 660 FSL; 660 FWL
01W-24	43-037-15839	14-20-603-246	SEC. 1, T41S, R23E	SE/SW 651 FSL; 3300 FEL
01-34	43-037-16385	14-20-603-246A	SEC. 1, T41S, R23E	SW/SE 4147 FNL; 1980 FEL
01W-44	43-037-15840	14-20-603-246A	SEC. 1, T41S, R23E	660 FSL; 661 FEL
02W-44	43-037-16386	14-20-603-246A	SEC. 2, T41S, R23E	SE/SE 810 FNL; 5110' FWL
03-14	43-037-15124	14-20-603-5445	SEC. 3, T41S, R24E	660 FSL; 660 FEL
03-12	43-037-15620	14-20-603-6506	SEC. 3, T41S, R24E	SW/NW 2140 FNL; 660 FWL
03W-42	43-037-16388	14-20-603-6505	SEC. 3, T41S, R24E	SW/NE 1980 FNL; 660 FEL
03-44	43-037-15031	14-20-603-6504	SEC. 3, T41S, R24E	520 FSL; 820 FEL
04-14	43-037-16163	14-20-603-5446	SEC. 4, T41S, R24E	500 FSL; 600 FEL
04-34	43-037-16164	14-20-603-4035	SEC. 4, T41S, R24E	660 FSL; 1980 FEL
05-34	43-037-15983	14-20-603-368	SEC. 5, T41S, R24E	SW/SE 612 FSL; 1990 FEL
05W-43	43-037-16392	14-20-603-368	SEC. 5, T41S, R24E	1400 FSL; 990 FEL
06W-14	43-037-15984	14-20-603-368	SEC. 6, T41S, R24E	SW/SW 660; FSL; 660 FWL
06W-23	43-037-16393	14-20-603-368	SEC. 6, T41S, R24E	1830 FSL; 1895 FWL
07-11	43-037-31163	14-20-603-368	SEC. 7, T41S, R24E	NW/NW 660 FNL; 710 FWL
07W-12	43-037-15985	14-20-603-368	SEC. 7, T41S, R24E	SW/NW 2140 FNL; 585 FWL
07-13	43-037-31164	14-20-603-368	SEC. 7, T41S, R24E	NW/SW 2110 FSL; 740 FWL
07W-14	43-037-15986	14-20-603-368	SEC. 7, T41S, R24E	SW/SW 1065 FSL; 660 FWL
07W-21	43-037-16394	14-20-603-368	SEC. 7, T41S, R24E	710 FNL; 1820 FWL
07-22	43-037-31165	14-20-603-368	SEC. 7, T41S, R24E	SE/NW 1980 FNL; 1980 FWL
07W-23	43-037-15987	14-20-603-368	SEC. 7, T41S, R24E	NE/SW 1980 FSL 1980 FWL
07-24	43-037-31166	14-20-603-368	SEC. 7, T41S, R24E	SE/SW 880 FSL; 2414 FWL
07W-32	43-037-15988	14-20-603-368	SEC. 7, T41S, R23E	SW/NE 1980 FNL; 1980 FEL
07-33	43-037-31167	14-20-603-368	SEC. 7, T41S, R24E	NW/SE 2105 FSL; 1876 FEL
07W-34	43-037-15989	14-20-603-368	SEC. 7, T41S, R24E	710 FSL; 2003 FEL
07W-41	43-037-15990	14-20-603-368	SEC. 7, T41S, R24E	NE/NE 585 FNL; 770 FEL
07W-43	43-037-16395	14-20-603-368	SEC. 7, T41S, R24E	2110 FSL; 660 FEL
07-44	43-037-31189	14-20-603-368	SEC. 7, T41S, R24E	SE/SE 737 FSL; 555 FEL
08-12	43-037-15991	14-20-603-368	SEC. 8, T41S, R24E	SW/NW 1909 FNL; 520 FWL
08W-14	43-037-15192	14-20-603-368	SEC. 8, T41S, R24E	745 FSL; 575 FWL
08-21	43-037-15993	14-20-603-368	SEC. 8, T41S, R24E	616 FNL; 1911 FWL
08-23	43-037-15994	14-20-603-368	SEC. 8, T41S, R24E	NE/NW 1920 FSL; 2055 FWL
08-32	43-037-15995	14-20-603-368	SEC. 8, T41S, R24E	SW/NE 1980 FNL; 1980 FEL
08-34	43-037-15996	14-20-603-368	SEC. 8, T41S, R24E	SW/SE 660 FSL; 1980 FEL
08-41	43-037-15997	14-20-603-368	SEC. 8, T41S, R24E	NE/NE 660 FNL; 660 FEL
08W-43	43-037-16396	14-20-603-368	SEC. 8, T41S, R24E	1980 FSL; 660 FEL
09W-23	43-037-16398	14-20-603-5046	SEC. 9, T41S, R24E	NW/SE 1980 FSL; 1980 FWL
09-12	43-037-15126	14-20-603-5045	SEC. 9, T41S, R24E	1865 FNL; 780 FWL
09W-21	43-037-16397	14-20-603-5045	SEC. 9, T41S, R24E	660 FNL; 2080 FWL
09-14A	43-037-15127	14-20-603-5046	SEC. 9, T41S, R24E	710 FSL; 660 FWL
09-32	43-037-16165	14-20-603-4035	SEC. 9, T41S, R24E	1980 FNL; 1980 FEL
09W-41	43-037-16399	14-20-603-4035	SEC. 9, T41S, R24E	660 FNL; 660 FEL
09W-43	43-037-16400	14-20-603-4043	SEC. 9, T41S, R24E	1980 FSL; 660 FEL
10W-23	43-037-16402	14-20-603-4043	SEC. 10, T41S, R24E	1980 FSL; 1980 FWL
10-14	43-037-15713	14-20-603-4043	SEC. 10, T41S, R24E	510 FSL; 710 FWL
10-12	43-037-15712	14-20-603-4043	SEC. 10, T41S, R24E	660 FWL; 1980 FNL
10W-21	43-037-16401	14-20-603-4043	SEC. 10, T41S, R24E	810 FNL; 1980 FWL
10-34	43-037-16166	14-20-603-4037	SEC. 10, T41S, R24E	620 FSL; 1860 FEL
10W-43	43-037-16403	14-20-603-4037	SEC. 10, T41S, R24E	1980 FSL; 550 FEL
11-41	43-037-31544	14-20-603-246A	SEC. 11, T41S, R23E	NE/NE 860 FNL; 350 FEL
11-42W	43-037-15841	14-20-603-246	SEC. 11, T41S, R23E	3290 FNL; 4617 FEL
11-43	43-037-31622	14-20-603-246A	SEC. 11, T41S, R23E	1980 FSL; 660 FEL
11W-44	43-037-15842	14-20-603-246A	SEC. 11, T41S, R23E	SE/SE 660 FSL; 558 FEL
12W-11	43-037-15843	14-20-603-246A	SEC. 12, T41S, R23E	NW/NW 678 FNL; 4620 FEL
12-12	43-037-31190	14-20-603-246A	SEC. 12, T41S, R23E	SW/NW 1850 FNL; 660 FWL
12W-13	43-037-16404	14-20-603-246A	SEC. 12, T41S, R23E	1980 FSL; 4620 FEL
12-14	43-037-15844	NA	SEC. 12, T41S, R23E	660 FNL; 4622 FWL
12-21	43-037-31201	14-20-603-246A	SEC. 12, T41S, R23E	NE/NW 660 FNL; 1980 FWL
12W-22	43-037-15845	14-20-603-246	SEC. 12, T41S, R23E	NA
12-23	43-037-15846	14-20-603-246A	SEC. 12, T41S, R23E	1958 FNL; 3300 FWL
12W-24	43-037-31151	14-20-603-246A	SEC. 12, T41S, R23E	775 FSL; 1980
12-32	43-037-31203	14-20-603-246A	SEC. 12, T41S, R23E	SW/NE 1820 FNL; 1820 FEL
12W-33	43-037-15848	14-20-603-246A	SEC. 12, T41S, R23E	NW/SE 1957 FSL; 1981 FEL
12-34	43-037-31126	14-20-603-246A	SEC. 12, T41S, R23E	SW/SE 675 FSL; 1905 FEL
12-41	43-037-15849	14-20-603-246A	SEC. 12, T41S, R23E	656 FNL; 660 FEL
12W-42	43-037-15850	14-20-603-246A	SEC. 12, T41S, R23E	3275 FSL; 662 FEL

PAID RECEIVED

SEP 15 1993

DIVISION OF

PAID OIL, GAS & MINING

PAID

PAID PAID

14-20-603-246

SE NW 1920 FNL 2080 FWL

Sept 29, 1993

TO: Lisha Cordova - Utah Mining
Oil & Gas

FROM: Janice Easley
BLM Farmington, NM
505 599-6355

Here is copy of Rutherford Unit
Successor Operator.

4 pages including this one.

File: Ratherford Unit (GC)

RECEIVED
BLM

SEP 27 11:44

Navajo Area Office
P. O. Box 1060
Gallup, New Mexico 87305-1060

070 FARMINGTON, NM

ARES/543

JUL 23 1993

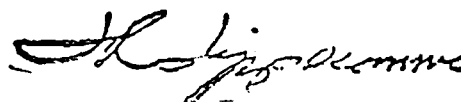
Mr. G. D. Cox
Mobil Exploration and
Producing North America, Inc.
P. O. Box 633
Midland, Texas 79702

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Ratherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,



ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.
TNN, Director, Minerals Department w/enc.

MINERAL DEPARTMENT
NO. 1992
DATE
FILE
3
2
ALL SUPP.
FILE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

DESIGNATION OF OPERATOR

RECEIVED
BLM

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

AREA OFFICE: Window Rock, Arizona
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]
Attorney-in-Fact

Mobil Exploration and Producing
North America Inc.

June 11, 1993

By: B. D. Martiny
Attorney-in-Fact B.D. MARTINY

[Signature] ACTING AREA DIRECTOR
APPROVED BY TITLE DATE
7/9/93

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

EXHIBIT "C"

Revised as of September 29, 1992
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March 3, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	.4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26, 1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	.5750254
17	NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482

100% Indian Lands

TOTAL 12,909.74

100.0000000

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____
(Location) Sec___Twp___Rng___
(API No.) _____

☐ Suspense
(Return Date) _____
(To - Initials) _____

☒ Other
OPERATOR CHANGE

1. Date of Phone Call: 10-6-93 : Time: 9:30

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☒
Talked to:

Name GLEN COX (Initiated Call ☐ - Phone No. (915)688-2114
of (Company/Organization) MOBIL

3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".
(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL
OR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)

4. Highlights of Conversation: _____
MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS
PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW
BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.
MEPNA--
PO DRAWER G
CORTEZ, CO 81321
(303)565-2212
*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY
REPORTED OUT OF DALLAS (MCELMO CREEK).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1	REC-47-83
2	DP-58-APR
3	VLC
4	RJE
5	DP-58
6	AL

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- | | |
|--|--|
| <input checked="" type="checkbox"/> Change of Operator (well sold) | <input type="checkbox"/> Designation of Agent |
| <input type="checkbox"/> Designation of Operator | <input type="checkbox"/> Operator Name Change Only |

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-93)

TO (new operator) <u>M E P N A</u>	FROM (former operator) <u>PHILLIPS PETROLEUM COMPANY</u>
(address) <u>PO DRAWER G</u>	(address) <u>5525 HWY 64 NBU 3004</u>
<u>CORTEZ, CO 81321</u>	<u>FARMINGTON, NM 87401</u>
<u>GLEN COX (915)688-2114</u>	<u>PAT KONKEL</u>
phone <u>(303)565-2212</u>	phone <u>(505)599-3452</u>
account no. <u>N7370</u>	account no. <u>N0772(A)</u>

Well(s) (attach additional page if needed):

***RATHERFORD UNIT (NAVAJO)**

Name: **SEE ATTACHED**	API: <u>4303715846</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Reg. 8-31-93) (Rec'd 9-14-93)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(O&G wells 10-6-93) (Wiw's 10-26-93)*
- See 6. Cardex file has been updated for each well listed above. *(O&G wells 10-6-93) (Wiw's 10-26-93)*
- See 7. Well file labels have been updated for each well listed above. *(O&G wells 10-6-93) (Wiw's 10-26-93)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(10-6-93)*
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

1. All attachments to this form have been microfilmed. Date: 11/17 1993.

FILING

- Yes 1. Copies of all attachments to this form have been filed in each well file.
- Yes 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

931006 BIA/Btm Approved 7-9-93.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.
14-20-603-246A

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.
RATHERFORD UNIT 12-23

9. API Well No.
43-037-15848 6

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UT

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
MOBIL EXPLORATION & PRODUCING US, AS AGENT FOR MEPNA

3. Address and Telephone No.
P. O. BOX 633, MIDLAND, TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1958' FNL, 3300' FWL; SEC. 12, T41S, R23E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other **WORKOVER**
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

04/29/94 MIRU. POOH W/RODS & PUMP & PROD TBG.

04/30/94 TAG PBTD 5410'.

05/02/94 SET PKR @ 5232'. PUMP 2500 GALS XYLENE W/83 GALS TRETOLITE P-38, FLUSH W/ 32 BBLs LEASE OIL. LET SOAK 2 HRS. PUMP 3000 GALS 15% HCL + ADDITIVES, FLUSH W/34 BBLs FRESH WATER. LET SOAK 2 HRS. SWAB TEST.

05/03/94 TOH LD PKR. TIH W/ PROD TBG.

05/04/94 RUN PUMP & RODS, TEST PUMP. RDMO.

14. I hereby certify that the foregoing is true and correct

Signed Shuley Dodd

Title **ENV. & REG. TECHNICIAN**

Date **05/09/94**

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 16 of 22

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O MOBIL OIL CORP
 M E P N A
 PO DRAWER G
 CORTEZ CO 81321

UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 6 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
#12-14								
4303715844	06280	41S 23E 12	PRDX					
#12-23								
4303715846	06280	41S 23E 12	PRDX					
#12-41								
4303715849	06280	41S 23E 12	DSCR					
RATHERFORD 13-41								
4303715856	06280	41S 23E 13	DSCR					
14-32								
4303715858	06280	41S 23E 14	IS-DC					
#5-34								
4303715983	06280	41S 24E 5	IS-DC					
-12								
4303715991	06280	41S 24E 8	DSCR					
#8-21								
4303715993	06280	41S 24E 8	DSCR					
#8-23								
4303715994	06280	41S 24E 8	IS-DC					
#8-32								
4303715995	06280	41S 24E 8	PRDX					
#8-34								
4303715996	06280	41S 24E 8	PRDX					
#8-41								
4303715997	06280	41S 24E 8	PRDX					
#E14-12								
4303715998	06280	41S 24E 14	IS-DC					
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ **Well File** _____
 (Location) Sec____Twp____Rng____
 (API No.) _____

☐ **Suspense**
 (Return Date) _____
 (To - Initials) _____

☒ **Other**
OPER NM CHG _____

1. Date of Phone Call: 8-3-95 Time: _____

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☐)
 Talked to:

Name R. J. FIRTH (Initiated Call ☒) - Phone No. (____)
 of (Company/Organization) _____

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: _____

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING
NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT
THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.

*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-PL
2-LWP	8-SJ
3-DES	9-FILE
4-VLC	
5-RJF	
6-LWP	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) **MOBIL EXPLOR & PROD**
 (address) **C/O MOBIL OIL CORP**
PO DRAWER G
CORTEZ CO 81321
 phone (303) **564-5212**
 account no. **N7370**

FROM (former operator) **M E P N A**
 (address) **C/O MOBIL OIL CORP**
PO DRAWER G
CORTEZ CO 81321
 phone (303) **564-5212**
 account no. **N7370**

Well(s) (attach additional page if needed):

Name: ** SEE ATTACHED **	API: <u>037-15846</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Lee* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) ** No Fee Lease Wells at this time!*

- N/A* *Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ___ 2. A copy of this form has been placed in the new and former operators' bond files.
- ___ 3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* *UTS* *8/5/95* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

FILMING

- ✓* 1. All attachments to this form have been microfilmed. Date: October 6 1995.

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950803 LIC F5/Not necessary!

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

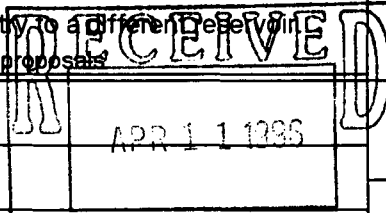
FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals.

SUBMIT IN TRIPLICATE



5. Lease Designation and Serial No.

14-20-603-246A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

12-23

9. API Well No.

43-037-15846

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

1. Type of Well



Oil Well



Gas Well



Other

SIDETRACK

2. Name of Operator

Mobil Exploration & Producing U.S. Inc. OF OIL, GAS & MINING
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702

915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1958' FSL, 3300' FWL
SEC. 12, T41S, R23E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other

SIDETRACK



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

BOTTOM HOLE LOCATION

LATERAL 1 (UPPER NW) 1060' N & 1264' W OF SURFACE LOCATION

LATERAL 2 (LOWER NW) 1264' N & 1061' W OF SURFACE LOCATION

LATERAL 3 (UPPER SE) 1198' S & 1070' E OF SURFACE LOCATION

LATERAL 4 (UPPER SE) 985' S & 1261' E OF SURFACE LOCATION

SEE ATTACHED PROCEDURE

14. I hereby certify that the foregoing is true and correct

Signed

Shirley Robinson

Title ENV. & REG. TECHNICIAN

Date 4-8-96

(This space for Federal Office use)

Approved by

[Signature]

Title

[Signature]

Date

4/12/96

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

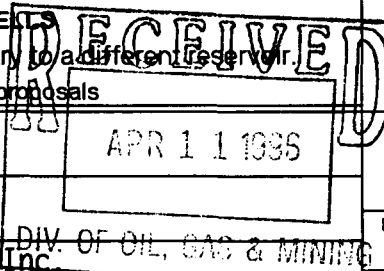
FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE



5. Lease Designation and Serial No.

14-20-603-246A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

12-23

9. API Well No.

43-037-158486

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other SIDETRACK
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

BOTTOM HOLE LOCATION

LATERAL 1 (UPPER NW) 1060' N & 1264' W OF SURFACE LOCATION
LATERAL 2 (LOWER NW) 1264' N & 1061' W OF SURFACE LOCATION
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LATERAL 4 (UPPER SE) 985' S & 1261' E OF SURFACE LOCATION

SEE ATTACHED PROCEDURE

14. I hereby certify that the foregoing is true and correct

Signed

Shirley Robinson

Title ENV. & REG. TECHNICIAN

Date 4-8-96

(This space for Federal or State use)

Approved by

[Signature]

Title

Petroleum Engineer

Date

4/12/96

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

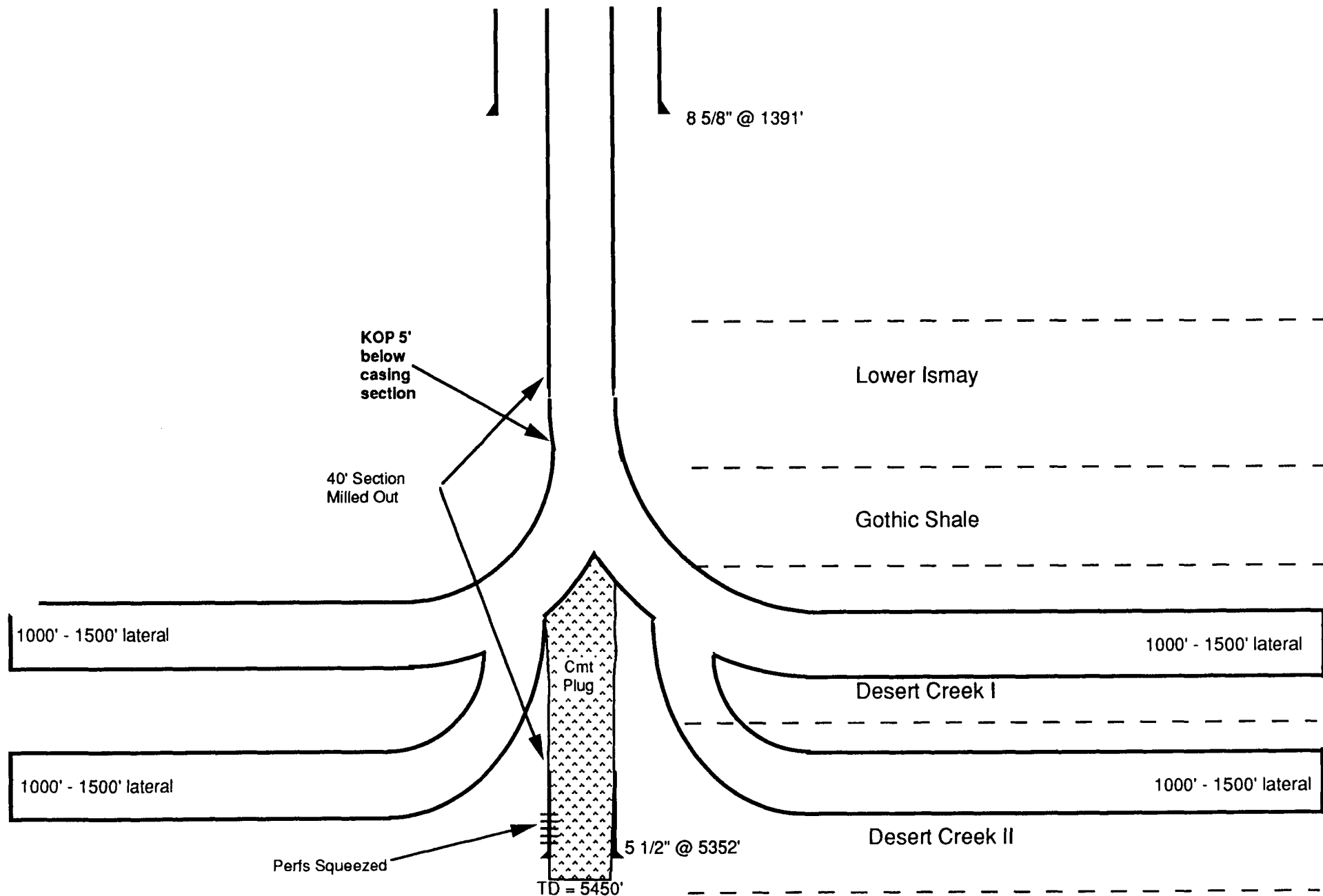
**Ratherford Unit Well No.'s
11-43, 12-23, 13-12, 13-14, 13-21 & 24-41
Multi-lateral Horizontal Drilling Procedure**

The objective of this procedure is to prepare this wellbore for sidetracking, sidetrack the subject well and drill a short radius horizontal well with a multiple (1,000' - 1,500') laterals.

1. Prepare location and dig working pit.
2. MIRU DDPU (daylight workover rig), reverse unit and H2S equipment.
3. TOH and LD rods.
4. ND wellhead, release TAC, and NU BOPs.
5. TIH with full gauge bit and casing scraper to PBTD. TOH with bit and scraper.
6. Attempt to load hole, if hole will not load, pump LCM pills until the well will circulate. POOH.
7. TIH with 4 1/2" section mill dressed with cutter arms for casing size. Cut a 40' section with the top of the section 50' to 100' above the top of the Desert Creek Formation. Circulate the hole clean and TOH with section mill.
8. TIH with 10 jts 2 3/8" tubing on 2 7/8" DP to TD. Circulate the well until static and free of oil and gas. Spot a balanced cement kick-off plug. TOH with workstring. WOC a minimum of 12 hours.
9. TIH with bit and dress off cement plug to the kick off point (3' - 5' below the casing section). POOH.
10. Release workover rig.
11. MIRU 24 hour DDPU with drilling package.
12. PU curve drilling assembly and TIH on 2 7/8" DP to PBTD.
13. RU power swivel and wireline. Gyro survey wellbore and seat gyro in orienting sub.
14. Sidetrack wellbore using gyro orientation. Switch to Magnetic steering tool when free of magnetic interference from casing.
15. Drill curve section using steering tool for orientation. POOH and LD curve drilling motor.
16. PU lateral drilling motor and new bit.
17. TIH with lateral drilling assembly. Steer assembly as necessary with steering tool to reach target. Make bit trips as necessary. Circulate wellbore clean and POOH.

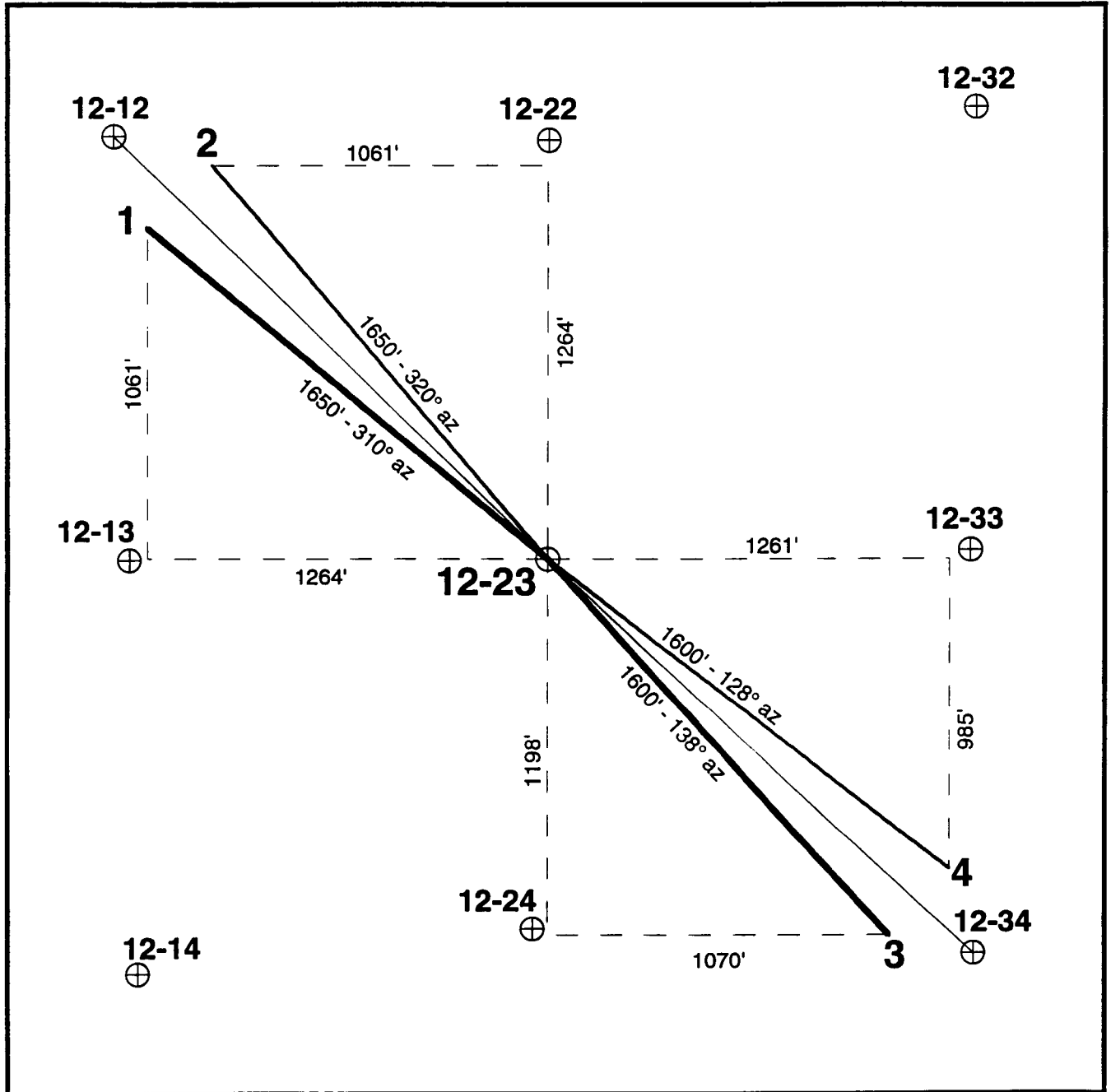
18. Drill additional laterals by sidetracking out of the original curve with a lateral motor. Steer assembly as necessary with steering tool to reach target. Make bit trips as necessary. Circulate wellbore clean and POOH.
19. Complete well as per operations Engineering.

**PROPOSED CONDITION
RATHERFORD UNIT #12-23
HORIZONTAL MULTILATERAL**



Ratherford Unit 12-23

Horizontal Well Design



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/11/96

API NO. ASSIGNED: 43-037-15846

WELL NAME: RU 12-23 (MULTI-LEG)
OPERATOR: MOBIL EXPL & PROD (N7370)

PROPOSED LOCATION:

NWSE 12 - T41S - R23E
SURFACE: 1958-FSL-3300-FWL
BOTTOM: 3018-FSL-2036-FWL
SAN JUAN COUNTY
GREATER ANETH FIELD (365)

LEASE TYPE: IND
LEASE NUMBER: 14-20-603-246A

PROPOSED PRODUCING FORMATION: DSCR

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☐ Plat
☐ Bond: Federal[] State[] Fee[]
 (Number _____)
☐ Potash (Y/N)
☐ Oil shale (Y/N)
☐ Water permit
 (Number _____)
☐ RDCC Review (Y/N)
 (Date: _____)

LOCATION AND SITING:

☒ R649-2-3. Unit: Ratherford
☐ R649-3-2. General.
☐ R649-3-3. Exception.
☐ Drilling Unit.
 Board Cause no: _____
 Date: _____

COMMENTS:

Reentry.

STIPULATIONS:



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

April 12, 1996

Mobil Exploration & Producing U.S., Inc.
P.O. Box 633
Midland, Texas 79702

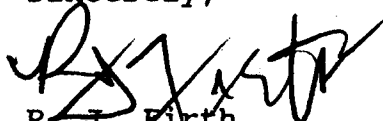
Re: Ratherford Unit 12-23 (Re-entry) Well, 1958' FSL, 3300' FWL,
NW SE, Sec. 12, T. 41 S., R. 23 E., San Juan County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to re-enter the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-15846.

Sincerely,


R. J. Firth
Associate Director

lwp

Enclosures

cc: San Juan County Assessor
Bureau of Land Management, Moab District Office
WAPD



Operator: Mobil Exploration & Producing U.S. Inc.
Well Name & Number: Ratherford Unit 12-23 (Re-entry)
API Number: 43-037-15846
Lease: 14-20-603-246A
Location: NW SE Sec. 12 T. 41 S. R. 23 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

August 28, 1996

Ms. Shirley Robertson
Env. & Reg. Technician
Mobil Exploration & Production
P. O. Box 633
Midland, Texas 79702

Re: Submittal of Directional Surveys and Well Completions
Reports

Dear Ms. Robertson:

We have not received the Well Completion Reports or Directional Drilling Surveys for the re-entry of the following wells:

API No. 43-037-31754	Ratherford Unit 19-24 (Multi-Leg)
API No. 43-037-31131	Ratherford Unit #13-43
API No. 43-037-15755	#21-32
7415 R23E 12 API No. 43-037-15846	Ratherford Unit 12-23

Please submit this information to our office as soon as possible, but no later than September 18, 1996.

Your help in this matter will be greatly appreciated. If you have any questions regarding this request, please contact me at (801) 538-5279.

Sincerely,

Vicky Dyson
Production Group Supervisor

cc: R. J. Firth
F. R. Matthews
D. T. Staley
L. W. Platt
Well Files



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other **SIDETRACK**

2. Name of Operator **Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.**

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702 915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1958' FSL, 3300' FWL
SEC. 12, T41S, R23E**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-246A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 12-23

9. API Well No.

43-037-15846

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **SIDETRACK**
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

BOTTOM HOLE LOCATIONS:

**LATERAL #1 - 1215 FNL, 1016 FWL
LATERAL #2 - 34 FNL, 288 FEL
LATERAL #2 (SIDETRACK 1) 756 FSL, 926 FEL,
LATERAL #2 (SIDETRACK 2) 764 FSL, 929 FEL,
LATERAL #3 - 1070 FNL, 1294 FWL,**

SEE ATTACHED DRILLING SUMMARY.

14. I hereby certify that the foregoing is true and correct

Signed

Shirley Houchens

Title **ENV. & REG. TECHNICIAN**

Date **10-08-96**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ATTACHMENT - FORM 3160-5
RATHERFORD UNIT - WELL #12-23
14-20-603-246A
NAVAJO TRIBAL
SAN JUAN, UTAH

07-15-96 MIRU NAVAJO WEST #36
07-16-96 ND WELL HEAD, NU BOP, POH W/2 2/8" TBG & SUB PUMP, RIH W/
4 3/4" RERUN BIT, 5.5" CSG SCRAPER ON 2.875" TBG, TAG @5415'.
07-17-96 RIH W/ 5.5" RBP SET @604', SPOT 2 SX SAND, POH W/TBG, TEST BP,
TO 500# OK, DUG OUT & CUT OFF WELL HEAD, WELD ON WELL HEAD &
BASE PLATE & GUSSETS, POUR 3 YARDS CMT AROUND BASE PLATE.
07-18-96 RIH W/BP RET TOOL, TAG @585, BLUE JET WL/RAN MTT LOG W/CALIPER,
RIH W/5.5 RBP, SET @ 5239, CIRC 5.5" CSG W/130 BBLS FW, PRESURE
5.5 CSG TO 1000#, HELD OK.
07-19-96 REL RBP @5239', RIH W/ 4 3/4" RERUN BIT ON 2.875 TBG TO 5185.
07-20-96 SPOT 30BBLS LCM PILL, EST CIRC @2.5 BPM 400#, CIRC CLEAN, POH
LAID DOWN 2.875" TBG, ND BOP, NU WELL HEAD, RD/REL NAVAJO WEST
RIG #36.
07-24-96 MIRU NAVAJO WEST RIG #25. PREP TO PU WINDOW MILLS. TIH W/4 3/4"
WINDOW MILL, 4 3/4" WATERMELON MILL, 60 JTS 2 7/8" TBG, AOH DP
TO 5350' POOH STANDING DP & DC'S. BREAK OUT MILLS.
07-25-96 MIRU BASIN WL, TIH W/TIW PKR & SET @5348-5352, RDMO BASIN.
MIRU SDI WL, RIH W/ORIENT TOOL, DET. AZMUTH OF 69 DEGREES TRUE
NORTH, POOH RDMO, ORIENT WHIPSTOCK TOOLS ON DP & SET @5320-
5340'. SHEAR OFF MILL FROM WHIPSTOCK & MAKE STARTER CUT IN CSG
FROM 5335-TO 5337, CIRC, MAKE TRIP FOR PILOT.
07-26-96 CONT. MILL FROM 5337-5345, TRIP FOR DIRECTIONAL DRILLING ASSM.,
ORIENT SAME @ SURF., RAN GYRO & STEER TOOL FACE TO DESIRED
POSITION, TIME DRILL TO 5350.
07-27-96 SLIDE DRILLING 5362-5478.
07-28-96 SLIDE DRILL AHEAD, FINISH CURVE SECTION @ 5484, DRILL AHEAD,
IN LATERAL #1, SLIDING 5484-5578'.
07-29-96 CONT. LATERAL #1 DIRECTIONAL DRILL FROM 5822-5969'.
07-30-96 CONT. LATERAL #1 ROTATE & SLIDE FROM 5969-6452'.
07-31-96 CONT. LATERAL #1 ROTATE & SLIDE FROM 6452-6931 TD.
LATERAL #1 5338-6931 MD; 5337-5440 TVD.
08-01-96 RIH W/ORIENT RET WHIPSTOCK, , MILL WINDOW W/STARTER MILL FROM
5326-5328; POH W/STARTER MILL, RIH W/WINDOW & WATERMELON MILL,
MILL OUT WINDOW 5326-5335, LATERAL #2.
08-02-96 POH & LD MILL, RIH W/MUD MOTOR & MWD, RUN SDI GYRO, DRILLED
FROM, 5335-5338.
08-03-96 DRILL #2 CURVE, FROM 5338-5371'
08-04-96 ATTEMPTED TO GET CURVE DRILLING ASS TO BOTTOM, BACKED OFF MONEL
DC'S, POH, RAN OS, CAUGHT & REC FISH, RIH W/MILLS, MILLED THRU
WHIPSTOCK WINDOW, POH.
08-05-96 RIH W/BIT, DRILLED 1' POH, WO MWD, RIH W/CURVE DRILLING ASS.,
UNABLE TO GET TO BOTTOM, POH, RIH W/MUD MOTOR & STEERING TOOL.
08-06-96 RIH W/MUD MOTOR TO 5371, RU SDI WL & ART STEERING, UNABLE TO
GET STEERING TO WORK, WO/BEC FIELD STEERING, RU BEC FIELD, REAM
CURVE FROM 5366-5372.

ATTACHMENT - FORM 3160-5
RATHERFORD UNIT - WELL #12-23
14-20-603-246A
NAVAJO TRIBAL
SAN JUAN, UTAH
PAGE 2

08-07-96 DRILL #2 CURVE FROM 5372-5392, POH WITH CURVE DRILLING ASSEMBLY.
08-08-96 RIH W/BECFIELD STEERING TOOL, RAN SURVEYS, REAMED CURVE, POH
LOST CONE, RIH W/GLOBE BASKET, UNABLE TO GET TO BOTTOM, POH, RIH
W/MAGNET.
08-09-96 RECOVER BIT CONE, RIH W/MUD MOTOR & STEERING TOOL, DRILLED #2
CURVE FROM 5392-5450, LEFT BIT/MUD MOTOR IN HOLE.
08-10-96 WO/FISHING TOOLS, RIH W/SCREW IN SUB, CAUGHT FISH.
08-11-96 POH & REC FISH, RIH W/BIT & MUD MOTOR, MWD, DRILLED FROM 5450-
5700'.
08-12-96 SLIDE DRILL FROM 5700-5730, DRILLED OUT OF 1-d PAYZONE FROM
5610-5730, DECISION WAS MADE TO SIDETRACK. TIME DRILLED &
ATTEMPT TO SIDETRACK #2 LATERAL, DRILLED FROM 5546-5761'.
08-13-96 CONT. DRILLING IN LATERAL #2 TO 5945'.
08-14-96 CONT. DRILLING AHEAD ON LATERAL #2 TO 6418'.
08-15-96 DIRECTIONAL DRILL TO 6560', LOST PSI, PULL UP TO VERTICAL
SEC. OF HOLE, LEFT TOOLS W/MOTOR & MWD IN HOLE, W/O FISHING TOOLS.
08-16-96 FISH TOOL LOST ON TWIST OFF, RIH WITH DRILLING ASSEMBLY & CONTINUE
DRILLING 6560-6599.
08-17-96 CONT. DRILL LATERAL LEG #2 FROM 6559-6775'.
08-18-96 DIRECTIONAL DRILL TO 6811', PULLED BIT BACK TO 6775' TIME DRILL
& SLIDE TO 6820' TD. POH W/DIRECTIONAL TOOLS.
08-19-96 FINISH POOH W/RET. WHIPSTOCK, RIH & CK. PKR ORIENTATION FOR NEXT
WHIPSTOCK / LATERAL #3.
08-19-96 RUN RET WHIPSTOCK & SET, TOP OF WINDOW WILL BE 5302.9, TOP WHIP-
STOCK WILL BE 5305.9, BOTTOM OF WINDOW 5312.25', MILL WINDOW W/
STARTER MILL 5302-5304'.
08-20-96 FINISH TIH W/ 43/4" MILL & 43/4" WATERMELON MILL COMBO TO CUT
WINDOW. WHIPSTOCK WINDOW FROM 5306-5315', PUMP SWEEP & DISPLACE
HOLE TO 10# BR, TIH W CURVE DRILLING ASSEMBLY.
08-21-96 FINISH TIH WITH CURVE DRILLING ASSEMBLY, DRILL CURVE SECTION TO
5335', USE GYRO FOR DIRECTION, PULL GYRO, DRILL CURVE SECTION OF
LATERAL #3 TO 5403'.
08-22-96 TD CURVE SECTION OF LATERAL #3, @ 5462, CONTINUE DRILLING TO 5484'
08-23-96 LATERAL #3, CONTINUE DRILLING AHEAD, BUILDING ANGLE 5604'.
08-24-96 LATERAL #3, CONTINUE DRILLING AHEAD @ 5766'.
08-25-96 LATERAL #3, CONTINUE DRILLING AHEAD @ 5900' (5404' TVD).
08-26-96 LATERAL #3, CONTINUE DRILLING AHEAD @ 6292'.
08-27-96 LATERAL #3, CONTINUE DRILLING AHEAD @ 6363'.
08-28-96 LATERAL #3, CONTINUE DRILLING AHEAD @ 6603' (5404-01 TVD).
08-29-96 LATERAL #3, TO TD @ 7710'. 1D ZONE LATERAL 5543-7710(5413-5398TVD)
08-30-96 REL BIG A RIG #25, MIRU COMPLETION RIG. FINAL DRILLING REPORT.

COMPLETION:

PERFORATIONS: #3 LATERAL IN 1D ZONE 5543-7710, TVD 5413-5398, 1651' VS
#2 LATERAL IN 1-D ZONE 5326-6820 MD, 5395-5410 TVD, 1214'VS.
#2 LATERAL, SIDETRACK #1 6820-5616'
#1 LATERAL 5615-6931'

ATTACHMENT - FORM 3160-5
RATHERFORD UNIT - WELL #12-23
14-20-603-246A
NAVAJO TRIBAL
SAN JUAN, UTAH
PAGE 3

08-31-96 LATERAL #3
MIRU NWI RIG #36, RIH W/RET HEAD & 165JTS 2 7/8 WS TO 5169'.
09-01-96 RIH W/12 JTS. 2 7/8 PH-6 TBP, MOD R PKR, SN 166 JTS 2 7/8'TBG,
WELL FLOWING STRONG ON ANNULUS, SET EOT @ 5584' PKR @ 5213.
PRESSURE TESTED ANNULUS & PKR TO 500#, OK, WO DOWELL/COIL TBG.
09-04-96 MADE 2 SWAB RUNS, STARTED FLOWING, FLOWED 128 BLW & 252 BNO /
1/2" CK. IN 4.5 HRS, 50% OIL, SWI DUE TO OXYGEN IN GAS, 120PPM.
09-05-96 LATERAL #3--RU DS COIL TBG UNIT & PUMPS, RIH W/PERF CLEAN TOOL &
1 1/2" COIL TBG TO 7010', ACIDIZE DESERT CREEK 1-D OHZ W/24,000
GALS 15% NEFE HCL ACID, THRU COIL TBG.
09-06-96 RD DS COIL TBG & PUMPS & SWI FOR 3 HRS. SITP 385#, OPEN WELL TO
TEST TANK, F/615 BLW & 265 BNO/3/4" CK/10 HRS/ FTP 300#-220#,
FLOWED 90 BOFLH, 40% OIL, STRONG SHOW GAS, OPEN TO PROD BATTERY,
FOR WELL TEST.
09-07-96 WELL FLOWED 156 BLW, 177 BFW, 443 BNO, 143 MCF GAS, 19 HRS, FTP-
300# W/100# FLOWLINE BACK PRESS.
LATERAL #2
RIH W/12 JTS 2.875" PH-6 TAILPIPE, 5.5" MOD R PKR, SN 162 JTS
2.875" WS, SET EOT @ 5459, PKR @ 5088', LOADED ANNULUS/TESTED
PKR TO 500#
09-08-96 LATERAL #2, RU DS COIL TBG UNIT & PUMP, RIH W/PERF CLEAN TOOL
& 1.5" COIL TBG TO 5730, ACIDIZE FROM 5730-5470' W/2000 GALS
15% NEFE HCL: LATERAL #2, SIDETRACT #1, RU COIL TBG & RIH TO
6820' ACIDIZE FROM 6820-5616.
09-09-96 LATERAL #2, SIDETRACT #1, ACIDIZED FROM 6820-5616 W/22,000 GALS
15% NEFE HCL, THRU COIL TBG. SIW FOR 2 HRS, OPEN TO TEST TANK,
FLOWED 534 BLW & 326 BNO, 8.5 HRS, FTP-300#-220#, FLOWED 97
BOFLH, 50% OIL, STRONG SHOW GAS, PROD TEST BATTERY OVERNIGHT.
09-10-96 FLOWED WELL TEST 18 HRS, 910 BNO, 870 BW, GAS 330 MCF,FTP 220#.
RIH W/12 JTS PH6 TBG, MOD R PKR, SN 166 JTS 2 7/8' PH6 SET PKR.
@ 5213', EOT 5584', PKR SET 20,000# COMP.
09-11-96 LATERAL #1, RIH W/COIL TBG TO 6931' & ACIDIZE 5615-6931' W/24,000
GALS 15% NEFE HCL ACID, ANNULUS @ 400# ISIP 500#. SWI/3 HRS.
09-12-96 FLOW WELL BACK TO TEST BATTERY, 48/64 " CK & 200# FTP.
09-13-96 CONTINUE TO FLOW WELL TO TEST BATTERY
09-14-96 CONTINUE TO TEST, 24 HRS, 1090 BNO, 862 BFW, GAS 184 MCF 48/64"
CK AND 130# FTP.
09-15-96 CONTINUE TO FLOW WELL TO TEST BATTERY, WO/PROD EQUIP.
09-16-96 UNSET PKR & POOH, LD PKR, TIH W/FISH TOOL FOR WHIPSTOCK ASSM,
LATCH ONTO ASSM & SHEAR @ 30,000# OVERPULL, POOH LD SAME, TIH W/
WS TBG. SISDFN, WO/ SUB PUMP & PROD EQUIP.
09-17-96 MIRU ESP EQUIPMENT & SPOOLER, MAKE UP PUMP ASSEMBLY & RIH ON 163
JOINTS 2 7/8" 6.5# TBG, TOTAL 5143.18', PUMP ASSEMBLY 112.82',
END OF PUMP @ 5255.36', WSISDFN.
09-18-96 FINISH HOOKING UP PRODUCTION EQUIPMENT/KICK PUMP OFF FOR TEST, RIG
DOWN & RELEASE BIG A WS.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

OCT 1 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/>		1b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/> SIDETRACK	
2. NAME OF OPERATOR Mobil Exploration & Producing U.S. Inc. as Agent for Mobil Producing TX & NM Inc.			
3. ADDRESS AND TELEPHONE NO. P.O. Box 633, Midland, TX 79702 (915) 688-2585			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1958' FSL, 3300' FWL (NW SE) At top prod. interval reported below At total depth 1070' FNL, 1294' FWL (LAT #3)			
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 07-24-96		16. DATE T.D. REACHED 08-29-96	
17. DATE COMPL. (Ready to prod.) 09-18-96		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4605.8' RKB	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD * #37	
21. PLUG, BACK T.D., MD & TVD * #37		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY →		24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* * #37 PRDX	
25. WAS DIRECTIONAL SURVEY MADE YES		26. TYPE ELECTRIC AND OTHER LOGS RUN	
27. WAS WELL CORED NO		28. CASING RECORD (Report all strings set in well)	

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8.875	28#	1391'	--	700 SX CALC TOP 4082'	
5.5	14#	5352'	--	200 SX	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	5143'	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
LATERAL #1 5615-6931 MD (5441TVD)		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
LATERAL #2 5326-6820 MD (5395-5410 TVD)		5335-5337	KOP (**#37)
LATERAL #2 (SIDETRACK 1) 5616-6820		5543-7010' MD	24,000 GALS 15% NEFE HCL
LATERAL #3 5543-7010 MD (5413-5398 TVD)		5730-5470 (#2)	2,000 GALS 15% NEFE HCL
		6820-5616 (#2SI)	22,000 GALS 15% NEFE HCL

33.* PRODUCTION							
DATE FIRST PRODUCTION 09-18-96		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2" X 2" X 24' PUMP				WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 09-28-96	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL - BBL. 1336	GAS - MCF. 840	WATER - BBL. 1150	GAS - OIL RATIO 629
FLOW. TUBING PRESS. 160	CASING PRESSURE 140	CALCULATED 24-HOUR RATE →	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	TEST WITNESSED BY
--	-------------------

35. LIST OF ATTACHMENTS DIRECTIONAL SURVEY REPORT
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36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Shirley Horchimo TITLE ENV. & REG. TECHNICIAN DATE 10-08-96

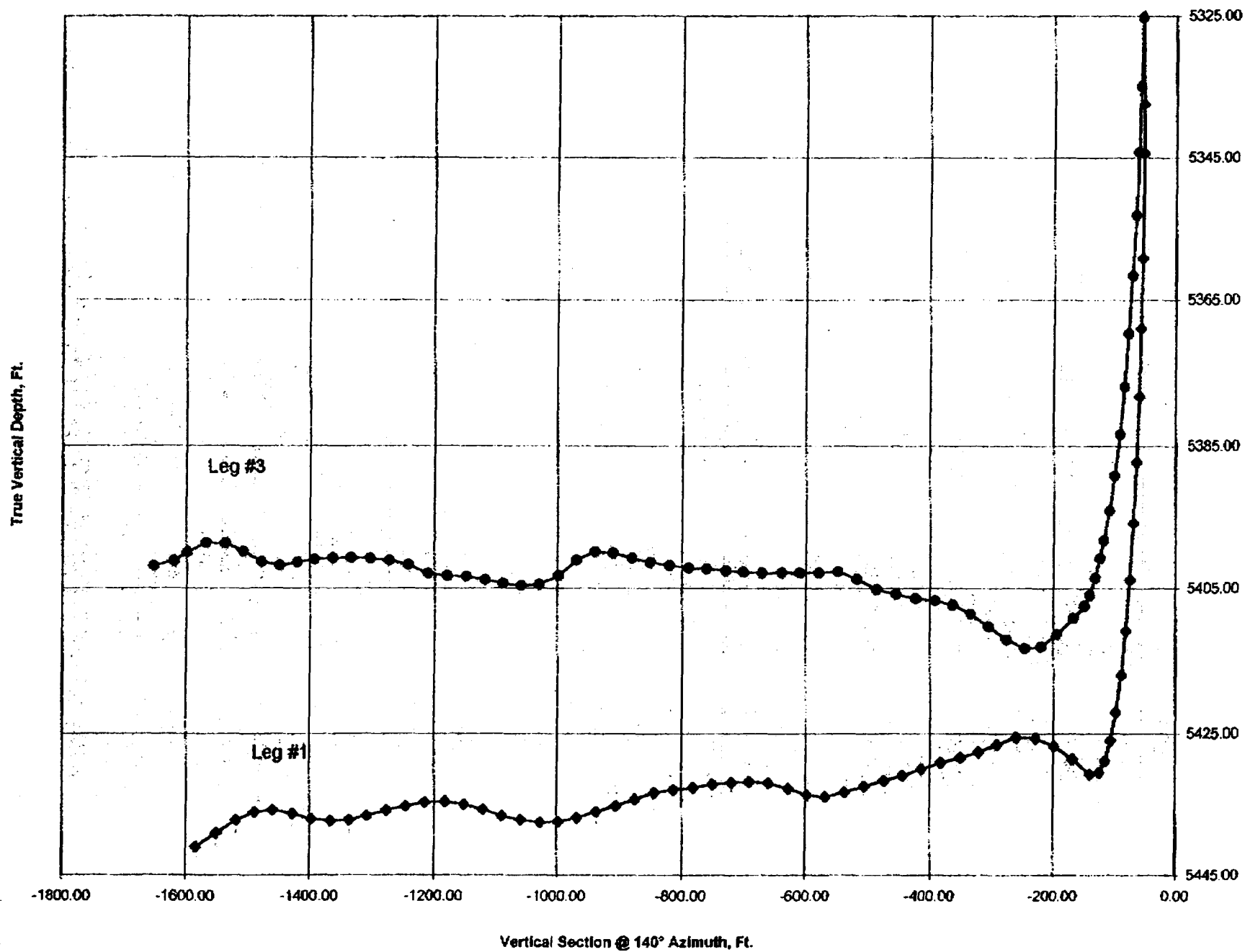
*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

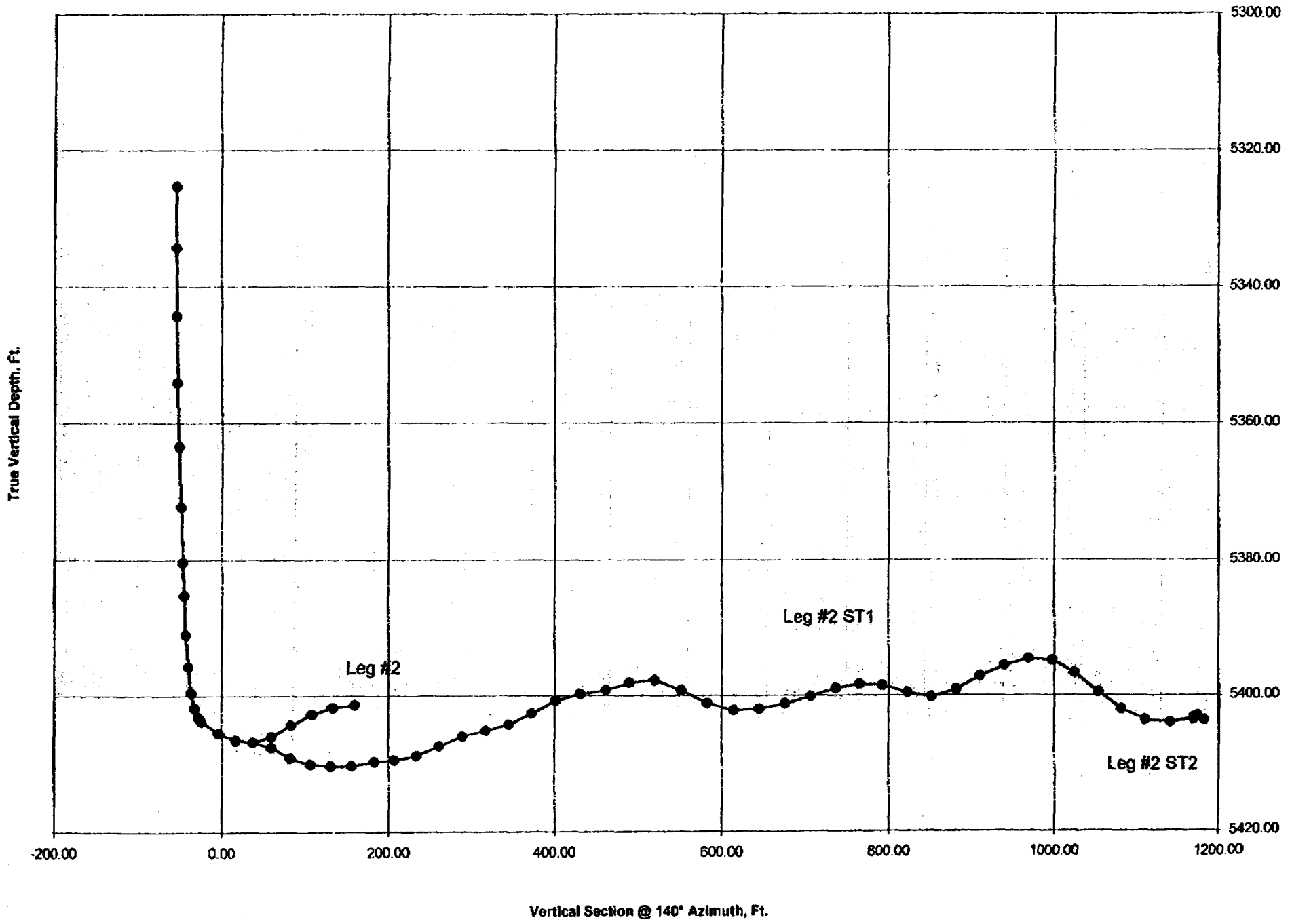
38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
*			LAT #1 5338-6931 MD (5337-5441TVD)			
			LAT #2 5326-5699 MD (5325-5401TVD)			
			LAT #2(SI 1) 5326-6779MD (5325-5403TVD)			
			LAT #2(SI 2) 5326-6788 MD (5325-5403TVD)			
			LAT #3 5306-7010 MD (5305-5402 TVD)			
**	5615'	6931'	ACIDIZE W/24,000 GALS 15% NEFE HCL			

Mobil E&P Services, INC.
Ratherford Unit #12-23
Legs #1 & #3



Mobil E&P Services, INC.
Ratherford Unit 12-23
Leg #2 w/ Sidetracks



SPERRY-SUN DRILLING SERVICES
SURVEY DATA

Platform ... : CA-MJ-60152
Slot/Well .. : R.U./#12-23 GYRO

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00
100.00	0.05	106.42	100.00	0.01 S	0.04 E	0.04	0.05
200.00	0.12	212.42	200.00	0.11 S	0.03 E	0.10	0.14
300.00	0.14	230.84	300.00	0.28 S	0.12 W	0.13	0.05
400.00	0.13	228.54	400.00	0.43 S	0.30 W	0.14	0.01
500.00	0.15	253.83	500.00	0.54 S	0.51 W	0.09	0.06
600.00	0.20	279.79	600.00	0.55 S	0.81 W	-0.10	0.09
700.00	0.38	303.38	700.00	0.34 S	1.26 W	-0.55	0.21
800.00	0.75	304.45	799.99	0.22 N	2.08 W	-1.50	0.37
900.00	1.04	297.53	899.98	1.01 N	3.42 W	-2.97	0.31
1000.00	1.15	307.42	999.96	2.03 N	5.02 W	-4.79	0.22
1100.00	1.31	309.29	1099.94	3.37 N	6.70 W	-6.89	0.16
1200.00	1.38	310.19	1199.91	4.87 N	8.51 W	-9.20	0.07
1300.00	1.76	314.60	1299.87	6.72 N	10.52 W	-11.92	0.40
1400.00	2.19	314.43	1399.81	9.14 N	12.98 W	-15.35	0.43
1500.00	2.35	318.63	1499.74	12.02 N	15.70 W	-19.30	0.23
1600.00	2.17	317.82	1599.66	14.96 N	18.33 W	-23.24	0.18
1700.00	2.09	312.69	1699.59	17.60 N	20.94 W	-26.94	0.21
1800.00	2.01	316.51	1799.52	20.11 N	23.49 W	-30.50	0.16
1900.00	1.63	314.97	1899.47	22.38 N	25.70 W	-33.67	0.38
2000.00	1.33	315.88	1999.44	24.22 N	27.51 W	-36.24	0.30
2100.00	1.28	305.70	2099.41	25.71 N	29.23 W	-38.48	0.24
2200.00	1.19	301.73	2199.39	26.90 N	31.02 W	-40.55	0.12
2300.00	0.89	316.52	2299.38	28.01 N	32.44 W	-42.31	0.40
2400.00	0.42	342.37	2399.37	28.93 N	33.08 W	-43.42	0.54
2500.00	0.50	338.69	2499.37	29.68 N	33.35 W	-44.18	0.09
2600.00	0.48	338.67	2599.36	30.48 N	33.66 W	-44.99	0.02
2700.00	0.54	357.24	2699.36	31.34 N	33.84 W	-45.76	0.17
2800.00	0.53	352.93	2799.35	32.27 N	33.92 W	-46.52	0.04
2900.00	0.42	346.85	2899.35	33.09 N	34.06 W	-47.24	0.12
3000.00	0.40	339.41	2999.35	33.77 N	34.26 W	-47.89	0.06
3100.00	0.48	346.35	3099.34	34.50 N	34.48 W	-48.60	0.10
3200.00	0.44	8.81	3199.34	35.29 N	34.52 W	-49.23	0.18
3300.00	0.47	17.40	3299.34	36.06 N	34.34 W	-49.70	0.07
3400.00	0.46	21.76	3399.33	36.82 N	34.07 W	-50.11	0.04
3500.00	0.32	14.33	3499.33	37.47 N	33.85 W	-50.46	0.15
3600.00	0.21	16.09	3599.33	37.91 N	33.73 W	-50.73	0.11
3700.00	0.19	47.38	3699.33	38.20 N	33.56 W	-50.84	0.11
3800.00	0.21	107.01	3799.33	38.26 N	33.26 W	-50.69	0.20
3900.00	0.27	99.89	3899.33	38.17 N	32.86 W	-50.36	0.07

SPERRY-SUN DRILLING SERVICES
SURVEY DATA

Platform ... : CA-MJ-60152
Slot/Well .. : R.U./#12-23 GYRO

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
4000.00	0.21	139.84	3999.33	37.99 N	32.51 W	-49.99	0.17
4100.00	0.13	119.49	4099.33	37.79 N	32.29 W	-49.70	0.10
4200.00	0.25	80.35	4199.33	37.77 N	31.97 W	-49.49	0.17
4300.00	0.21	11.51	4299.33	37.99 N	31.72 W	-49.49	0.26
4400.00	0.25	44.28	4399.33	38.32 N	31.53 W	-49.63	0.14
4500.00	0.33	28.53	4499.33	38.73 N	31.24 W	-49.75	0.11
4600.00	0.44	34.71	4599.32	39.30 N	30.89 W	-49.96	0.12
4700.00	0.54	33.52	4699.32	40.01 N	30.41 W	-50.20	0.10
4800.00	0.65	35.80	4799.31	40.86 N	29.82 W	-50.47	0.11
4900.00	0.69	33.13	4899.31	41.83 N	29.16 W	-50.78	0.05
5000.00	0.71	36.20	4999.30	42.83 N	28.46 W	-51.11	0.04
5100.00	0.69	12.99	5099.29	43.92 N	27.96 W	-51.62	0.28
5200.00	0.82	19.09	5199.28	45.18 N	27.59 W	-52.35	0.15
5300.00	0.68	10.96	5299.27	46.44 N	27.24 W	-53.09	0.18
5338.00	0.57	33.30	5337.27	46.82 N	27.10 W	-53.28	0.70

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.

N/E COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.

TVD COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.

THE VERTICAL SECTION ORIGIN IS WELL HEAD.

THE VERTICAL SECTION WAS COMPUTED ALONG 140.00 (TRUE).

CALCULATION METHOD: MINIMUM CURVATURE.

SPERRY-SUN DRILLING SERVICES
SURVEY DATA

Platform ... : MOBIL
Slot/Well .. : #2 /RU12-23 LEG 1

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00
100.00	0.05	106.42	100.00	0.01 S	0.04 E	0.04	0.05
200.00	0.12	212.42	200.00	0.11 S	0.03 E	0.10	0.14
300.00	0.14	230.84	300.00	0.28 S	0.12 W	0.13	0.05
400.00	0.13	228.54	400.00	0.43 S	0.30 W	0.14	0.01
500.00	0.15	253.83	500.00	0.54 S	0.51 W	0.09	0.06
600.00	0.20	279.79	600.00	0.55 S	0.81 W	-0.10	0.09
700.00	0.38	303.38	700.00	0.34 S	1.26 W	-0.55	0.21
800.00	0.75	304.45	799.99	0.22 N	2.08 W	-1.50	0.37
900.00	1.04	297.53	899.98	1.01 N	3.42 W	-2.97	0.31
1000.00	1.15	307.42	999.96	2.03 N	5.02 W	-4.79	0.22
1100.00	1.31	309.29	1099.94	3.37 N	6.70 W	-6.89	0.16
1200.00	1.38	310.19	1199.91	4.87 N	8.51 W	-9.20	0.07
1300.00	1.76	314.60	1299.87	6.72 N	10.52 W	-11.92	0.40
1400.00	2.19	314.43	1399.81	9.14 N	12.98 W	-15.35	0.43
1500.00	2.35	318.63	1499.74	12.02 N	15.70 W	-19.30	0.23
1600.00	2.17	317.82	1599.66	14.96 N	18.33 W	-23.24	0.18
1700.00	2.09	312.69	1699.59	17.60 N	20.94 W	-26.94	0.21
1800.00	2.01	316.51	1799.52	20.11 N	23.49 W	-30.50	0.16
1900.00	1.63	314.97	1899.47	22.38 N	25.70 W	-33.67	0.38
2000.00	1.33	315.88	1999.44	24.22 N	27.51 W	-36.24	0.30
2100.00	1.28	305.70	2099.41	25.71 N	29.23 W	-38.48	0.24
2200.00	1.19	301.73	2199.39	26.90 N	31.02 W	-40.55	0.12
2300.00	0.89	316.52	2299.38	28.01 N	32.44 W	-42.31	0.40
2400.00	0.42	342.37	2399.37	28.93 N	33.08 W	-43.42	0.54
2500.00	0.50	338.69	2499.37	29.68 N	33.35 W	-44.18	0.09
2600.00	0.48	338.67	2599.36	30.48 N	33.66 W	-44.99	0.02
2700.00	0.54	357.24	2699.36	31.34 N	33.84 W	-45.76	0.17
2800.00	0.53	352.93	2799.35	32.27 N	33.92 W	-46.52	0.04
2900.00	0.42	346.85	2899.35	33.09 N	34.06 W	-47.24	0.12
3000.00	0.40	339.41	2999.35	33.77 N	34.26 W	-47.89	0.06
3100.00	0.48	346.35	3099.34	34.50 N	34.48 W	-48.60	0.10
3200.00	0.44	8.81	3199.34	35.29 N	34.52 W	-49.23	0.18
3300.00	0.47	17.40	3299.34	36.06 N	34.34 W	-49.70	0.07
3400.00	0.46	21.76	3399.33	36.82 N	34.07 W	-50.11	0.04
3500.00	0.32	14.33	3499.33	37.47 N	33.85 W	-50.46	0.15
3600.00	0.21	16.09	3599.33	37.91 N	33.73 W	-50.73	0.11
3700.00	0.19	47.38	3699.33	38.20 N	33.56 W	-50.84	0.11
3800.00	0.21	107.01	3799.33	38.26 N	33.26 W	-50.69	0.20
3900.00	0.27	99.89	3899.33	38.17 N	32.86 W	-50.36	0.07

SPERRY-SUN DRILLING SERVICES
SURVEY DATA

Platform ... : MOBIL
Slot/Well .. : #2 /RU12-23 LEG 1

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
4000.00	0.21	139.84	3999.33	37.99 N	32.51 W	-49.99	0.17
4100.00	0.13	119.49	4099.33	37.79 N	32.29 W	-49.70	0.10
4200.00	0.25	80.35	4199.33	37.77 N	31.97 W	-49.49	0.17
4300.00	0.21	11.51	4299.33	37.99 N	31.72 W	-49.49	0.26
4400.00	0.25	44.28	4399.33	38.32 N	31.53 W	-49.63	0.14
4500.00	0.33	28.53	4499.32	38.73 N	31.24 W	-49.75	0.11
4600.00	0.44	34.71	4599.32	39.30 N	30.89 W	-49.96	0.12
4700.00	0.54	33.52	4699.32	40.01 N	30.41 W	-50.20	0.10
4800.00	0.65	35.80	4799.31	40.86 N	29.82 W	-50.47	0.11
4900.00	0.69	33.13	4899.31	41.83 N	29.16 W	-50.78	0.05
5000.00	0.71	36.20	4999.30	42.83 N	28.46 W	-51.11	0.04
5100.00	0.69	12.99	5099.29	43.92 N	27.96 W	-51.62	0.28
5200.00	0.82	19.09	5199.28	45.18 N	27.59 W	-52.35	0.15
5300.00	0.68	10.96	5299.27	46.44 N	27.24 W	-53.09	0.18
5338.00	0.57	33.30	5337.27	46.82 N	27.10 W	-53.28	0.70
5345.00	2.30	274.00	5344.27	46.86 N	27.22 W	-53.39	37.52
5360.00	12.10	274.00	5359.13	46.99 N	29.09 W	-54.70	65.33
5370.00	18.70	284.20	5368.77	47.46 N	31.69 W	-56.73	71.10
5380.00	23.20	299.10	5378.12	48.81 N	34.97 W	-59.87	69.41
5390.00	27.30	309.60	5387.16	51.23 N	38.46 W	-63.97	60.58
5400.00	33.50	301.10	5395.79	54.12 N	42.60 W	-68.84	75.33
5410.00	41.00	299.50	5403.74	57.17 N	47.83 W	-74.54	75.62
5420.00	48.70	300.70	5410.83	60.71 N	53.92 W	-81.16	77.46
5430.00	56.10	302.00	5416.92	64.83 N	60.68 W	-88.67	74.71
5440.00	63.30	304.50	5421.97	69.57 N	67.89 W	-96.93	75.16
5450.00	70.00	306.50	5425.93	74.90 N	75.36 W	-105.81	69.47
5460.00	77.30	308.10	5428.74	80.71 N	82.98 W	-115.17	74.59
5470.00	84.40	309.60	5430.33	86.90 N	90.67 W	-124.85	72.53
5485.00	93.40	312.10	5430.62	96.70 N	102.00 W	-139.64	62.27
5514.36	94.90	314.90	5428.49	116.85 N	123.24 W	-168.73	10.80
5545.13	92.00	319.20	5426.64	139.33 N	144.16 W	-199.39	16.83
5575.65	91.90	322.60	5425.60	162.99 N	163.39 W	-229.89	11.14
5606.00	88.60	320.60	5425.47	186.77 N	182.24 W	-260.22	12.71
5637.01	87.70	320.80	5426.47	210.76 N	201.87 W	-291.21	2.97
5666.82	88.20	319.90	5427.54	233.70 N	220.88 W	-321.00	3.45
5696.97	88.90	319.50	5428.30	256.68 N	240.37 W	-351.14	2.67
5728.06	88.50	318.50	5429.00	280.14 N	260.76 W	-382.22	3.46
5759.41	88.20	319.00	5429.91	303.70 N	281.43 W	-413.55	1.86
5790.11	88.60	319.10	5430.76	326.88 N	301.54 W	-444.23	1.34
5819.81	88.50	319.30	5431.52	349.35 N	320.94 W	-473.92	0.75

SPERRY-SUN DRILLING SERVICES
SURVEY DATA

Platform ... : MOBIL
Slot/Well .. : #2 /RU12-23 LEG 1

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
5851.21	88.70	319.90	5432.28	373.26 N	341.28 W	-505.31	2.01
5882.43	88.30	319.60	5433.10	397.08 N	361.45 W	-536.52	1.60
5913.68	89.40	319.50	5433.73	420.85 N	381.72 W	-567.76	3.53
5943.98	91.40	319.60	5433.52	443.91 N	401.38 W	-598.05	6.61
5973.93	92.20	319.90	5432.58	466.76 N	420.72 W	-627.99	2.85
6005.31	90.70	321.30	5431.78	491.00 N	440.63 W	-659.36	6.54
6036.99	89.80	323.00	5431.64	516.01 N	460.07 W	-691.01	6.07
6065.54	89.70	322.60	5431.77	538.75 N	477.33 W	-719.53	1.44
6096.49	89.30	323.50	5432.04	563.48 N	495.93 W	-750.43	3.18
6127.67	89.20	323.30	5432.45	588.51 N	514.52 W	-781.55	0.72
6158.83	89.60	323.20	5432.77	613.48 N	533.16 W	-812.66	1.32
6190.19	88.90	323.40	5433.18	638.62 N	551.90 W	-843.97	2.32
6221.02	87.90	322.60	5434.04	663.23 N	570.45 W	-874.74	4.15
6252.32	88.40	322.20	5435.05	688.02 N	589.53 W	-906.00	2.05
6283.45	88.50	321.60	5435.90	712.51 N	608.74 W	-937.10	1.95
6314.57	88.60	321.00	5436.68	736.79 N	628.19 W	-968.20	1.95
6344.57	89.20	320.40	5437.26	760.00 N	647.19 W	-998.19	2.83
6373.63	90.40	320.10	5437.36	782.34 N	665.77 W	-1027.25	4.26
6404.93	90.80	320.10	5437.03	806.35 N	685.84 W	-1058.55	1.28
6435.49	91.40	320.60	5436.45	829.87 N	705.34 W	-1089.10	2.56
6466.74	91.90	321.20	5435.55	854.12 N	725.04 W	-1120.34	2.50
6498.01	90.70	322.00	5434.84	878.61 N	744.46 W	-1151.59	4.61
6529.01	90.80	321.60	5434.43	902.97 N	763.63 W	-1182.57	1.33
6560.73	88.80	323.10	5434.54	928.09 N	783.00 W	-1214.26	7.88
6591.38	89.10	323.50	5435.10	952.66 N	801.31 W	-1244.85	1.63
6622.48	88.80	323.00	5435.67	977.57 N	819.92 W	-1275.90	1.87
6653.65	88.40	322.20	5436.44	1002.33 N	838.85 W	-1307.03	2.87
6683.26	89.40	321.70	5437.00	1025.64 N	857.09 W	-1336.61	3.78
6712.84	90.00	320.40	5437.16	1048.64 N	875.69 W	-1366.19	4.84
6743.57	91.10	319.80	5436.86	1072.21 N	895.40 W	-1396.91	4.08
6774.79	91.70	319.80	5436.10	1096.05 N	915.54 W	-1428.12	1.92
6806.09	90.20	319.30	5435.58	1119.87 N	935.85 W	-1459.42	5.05
6836.01	88.40	320.40	5435.95	1142.73 N	955.13 W	-1489.33	7.05
6866.02	87.40	319.70	5437.05	1165.72 N	974.39 W	-1519.32	4.07
6897.38	86.10	319.50	5438.83	1189.57 N	994.68 W	-1550.63	4.19
6899.00	86.00	319.60	5438.94	1190.80 N	995.73 W	-1552.25	8.72
6931.00	87.00	319.60	5440.89	1215.12 N	1016.43 W	-1584.19	3.13

SPERRY-SUN DRILLING SERVICES
SURVEY DATA

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.
N/E COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.
TVD COORDINATE VALUES GIVEN RELATIVE TO WELL HEAD.
THE VERTICAL SECTION ORIGIN IS WELL HEAD.
THE VERTICAL SECTION WAS COMPUTED ALONG 140.00 (TRUE).
CALCULATION METHOD: MINIMUM CURVATURE.

SPERRY-SUN DRILLING SERVICES
SURVEY DATA

Platform ... : MOBIL
Slot/Well .. : #2 /RU12-23 LEG 2

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
5326.00	0.59	25.40	5325.27	46.71 N	27.15 W	-53.23	0.00
5335.00	1.40	40.00	5334.27	46.84 N	27.06 W	-53.27	9.36
5345.00	8.60	48.60	5344.22	47.43 N	26.42 W	-53.31	72.19
5355.00	17.20	83.20	5353.98	48.10 N	24.38 W	-52.52	112.06
5365.00	22.80	83.20	5363.37	48.50 N	20.99 W	-50.65	56.00
5375.00	30.70	73.80	5372.30	49.45 N	16.60 W	-48.55	89.40
5385.00	42.20	66.20	5380.33	51.52 N	11.06 W	-46.58	123.36
5392.00	50.10	66.00	5385.18	53.57 N	6.45 W	-45.18	112.88
5402.00	58.40	68.10	5391.01	56.72 N	1.02 E	-42.79	84.72
5412.00	65.70	68.90	5395.70	59.95 N	9.24 E	-39.99	73.34
5423.00	73.90	69.50	5399.49	63.61 N	18.88 E	-36.60	74.72
5433.00	80.40	74.70	5401.72	66.60 N	28.15 E	-32.93	82.41
5443.00	84.10	81.10	5403.07	68.68 N	37.83 E	-28.29	73.41
5450.00	86.20	85.30	5403.66	69.50 N	44.76 E	-24.47	66.89
5484.34	87.80	89.10	5405.46	71.18 N	79.00 E	-3.74	11.99
5515.71	88.50	92.10	5406.47	70.85 N	110.35 E	16.66	9.82
5546.48	90.60	95.10	5406.71	68.92 N	141.05 E	37.87	11.90
5576.98	92.50	98.40	5405.89	65.33 N	171.32 E	60.08	12.48
5607.32	93.60	101.80	5404.27	60.02 N	201.15 E	83.32	11.76
5638.57	92.30	105.20	5402.66	52.74 N	231.49 E	108.40	11.63
5668.37	91.60	108.60	5401.65	44.08 N	259.98 E	133.34	11.64
5698.54	89.80	111.30	5401.28	33.79 N	288.33 E	159.45	10.75

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.
N/E COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.
TVD COORDINATE VALUES GIVEN RELATIVE TO WELL HEAD.
THE VERTICAL SECTION ORIGIN IS WELL HEAD.
THE VERTICAL SECTION WAS COMPUTED ALONG 140.00 (TRUE).
CALCULATION METHOD: MINIMUM CURVATURE.

SPERRY-SUN DRILLING SERVICES
SURVEY DATA

Platform ... : MOBIL
Slot/Well .. : #2 /RU12-23 L2ST1

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
5326.00	0.59	25.40	5325.27	46.71 N	27.15 W	-53.24	0.00
5335.00	1.40	40.00	5334.27	46.84 N	27.06 W	-53.27	9.36
5345.00	8.60	48.60	5344.22	47.43 N	26.42 W	-53.31	72.19
5355.00	17.20	83.20	5353.98	48.10 N	24.38 W	-52.52	112.06
5365.00	22.80	83.20	5363.37	48.50 N	20.99 W	-50.65	56.00
5375.00	30.70	73.80	5372.30	49.45 N	16.61 W	-48.55	89.40
5385.00	42.20	66.20	5380.33	51.52 N	11.06 W	-46.58	123.36
5392.00	50.10	66.00	5385.18	53.57 N	6.45 W	-45.18	112.88
5402.00	58.40	68.10	5391.01	56.72 N	1.02 E	-42.79	84.72
5412.00	65.70	68.90	5395.70	59.95 N	9.23 E	-39.99	73.34
5423.00	73.90	69.50	5399.49	63.61 N	18.88 E	-36.60	74.72
5433.00	80.40	74.70	5401.72	66.60 N	28.15 E	-32.93	82.41
5443.00	84.10	81.10	5403.07	68.68 N	37.83 E	-28.29	73.41
5450.00	86.20	85.30	5403.66	69.50 N	44.75 E	-24.47	66.89
5484.34	87.80	89.10	5405.46	71.18 N	79.00 E	-3.74	11.99
5515.71	88.50	92.10	5406.47	70.85 N	110.35 E	16.66	9.82
5546.48	90.40	94.90	5406.76	68.97 N	141.05 E	37.83	11.00
5576.98	86.80	97.80	5407.51	65.60 N	171.35 E	59.89	15.15
5607.32	87.10	99.90	5409.12	60.94 N	201.28 E	82.70	6.98
5638.57	89.70	101.40	5410.00	55.16 N	231.98 E	106.86	9.60
5668.37	89.30	105.10	5410.26	48.34 N	260.98 E	130.73	12.49
5698.54	91.10	109.20	5410.15	39.44 N	289.80 E	156.07	14.84
5729.63	90.90	111.10	5409.61	28.73 N	318.98 E	183.03	6.14
5756.79	89.90	108.90	5409.42	19.45 N	344.50 E	206.55	8.90
5788.16	92.40	111.20	5408.79	8.69 N	373.96 E	233.72	10.83
5818.90	93.20	111.60	5407.29	2.51 S	402.55 E	260.67	2.91
5850.34	91.90	113.60	5405.89	14.58 S	431.54 E	288.56	7.58
5881.59	91.00	113.00	5405.10	26.93 S	460.23 E	316.47	3.46
5912.83	92.30	116.50	5404.20	40.01 S	488.59 E	344.70	11.95
5943.13	93.90	118.50	5402.56	53.97 S	515.42 E	372.65	8.45
5973.08	93.40	122.10	5400.65	69.05 S	541.22 E	400.79	12.11
6004.45	90.30	125.40	5399.64	86.47 S	567.29 E	430.88	14.43
6036.03	91.60	129.30	5399.12	105.62 S	592.38 E	461.69	13.02
6064.58	92.70	132.40	5398.04	124.28 S	613.96 E	489.85	11.51
6095.62	88.60	135.20	5397.69	145.75 S	636.36 E	520.70	15.99
6126.81	86.00	136.50	5399.16	168.11 S	658.05 E	551.77	9.32
6157.96	86.90	138.30	5401.09	190.99 S	679.10 E	582.82	6.45
6189.31	89.40	141.60	5402.10	214.97 S	699.25 E	614.15	13.20
6220.14	91.30	144.80	5401.91	239.65 S	717.72 E	644.92	12.07
6251.27	91.60	148.30	5401.13	265.61 S	734.87 E	675.84	11.28

SPERRY-SUN DRILLING SERVICES
SURVEY DATA

Platform ... : MOBIL
Slot/Well .. : #2 /RU12-23 L2ST1

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
6282.54	92.40	151.80	5400.03	292.69 S	750.47 E	706.60	11.47
6313.67	91.70	155.60	5398.92	320.57 S	764.25 E	736.82	12.40
6343.67	90.60	159.10	5398.32	348.25 S	775.80 E	765.45	12.23
6372.72	88.90	159.40	5398.44	375.41 S	786.09 E	792.87	5.94
6404.02	87.20	157.90	5399.51	404.54 S	797.48 E	822.51	7.24
6434.69	90.30	158.00	5400.18	432.96 S	808.99 E	851.68	10.11
6465.94	93.70	159.00	5399.09	462.01 S	820.43 E	881.29	11.34
6497.07	93.60	160.40	5397.11	491.15 S	831.21 E	910.54	4.50
6528.09	92.10	160.70	5395.56	520.36 S	841.53 E	939.54	4.93
6560.21	91.50	164.70	5394.56	551.01 S	851.07 E	969.16	12.59
6591.26	87.50	164.70	5394.83	580.95 S	859.26 E	997.36	12.88
6620.89	85.30	163.10	5396.69	609.36 S	867.46 E	1024.39	9.17
6652.07	84.50	160.20	5399.46	638.83 S	877.24 E	1053.25	9.61
6681.58	85.80	157.90	5401.95	666.29 S	887.75 E	1081.05	8.93
6712.32	88.20	155.90	5403.56	694.53 S	899.79 E	1110.41	10.16
6743.54	90.40	155.90	5403.94	723.02 S	912.54 E	1140.44	7.05
6773.85	92.60	158.70	5403.15	750.97 S	924.23 E	1169.36	11.75
6779.00	92.40	160.00	5402.93	755.78 S	926.05 E	1174.21	25.52

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.

N/E COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.

TVD COORDINATE VALUES GIVEN RELATIVE TO WELL HEAD.

THE VERTICAL SECTION ORIGIN IS WELL HEAD.

THE VERTICAL SECTION WAS COMPUTED ALONG 140.00 (TRUE).

CALCULATION METHOD: MINIMUM CURVATURE.

SPERRY-SUN DRILLING SERVICES
SURVEY DATA

Platform ... : MOBIL
Slot/Well .. : #2 /RU12-23 L2ST2

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
5326.00	0.59	25.40	5325.27	46.71 N	27.15 W	-53.24	0.00
5335.00	1.40	40.00	5334.27	46.84 N	27.06 W	-53.28	9.36
5345.00	8.60	48.60	5344.22	47.43 N	26.42 W	-53.32	72.19
5355.00	17.20	83.20	5353.98	48.10 N	24.39 W	-52.52	112.06
5365.00	22.80	83.20	5363.37	48.50 N	20.99 W	-50.65	56.00
5375.00	30.70	73.80	5372.30	49.45 N	16.61 W	-48.55	89.40
5385.00	42.20	66.20	5380.33	51.52 N	11.06 W	-46.58	123.36
5392.00	50.10	66.00	5385.18	53.57 N	6.45 W	-45.18	112.88
5402.00	58.40	68.10	5391.01	56.72 N	1.02 E	-42.80	84.72
5412.00	65.70	68.90	5395.70	59.96 N	9.23 E	-39.99	73.34
5423.00	73.90	69.50	5399.49	63.62 N	18.88 E	-36.60	74.72
5433.00	80.40	74.70	5401.72	66.61 N	28.15 E	-32.93	82.41
5443.00	84.10	81.10	5403.07	68.68 N	37.83 E	-28.29	73.41
5450.00	86.20	85.30	5403.66	69.50 N	44.75 E	-24.48	66.89
5484.34	87.80	89.10	5405.46	71.18 N	79.00 E	-3.75	11.99
5515.71	88.50	92.10	5406.47	70.85 N	110.35 E	16.66	9.82
5546.48	90.40	94.90	5406.76	68.97 N	141.05 E	37.83	11.00
5576.98	86.80	97.80	5407.51	65.60 N	171.35 E	59.89	15.15
5607.32	87.10	99.90	5409.12	60.94 N	201.28 E	82.70	6.98
5638.57	89.70	101.40	5410.00	55.17 N	231.98 E	106.85	9.60
5668.37	89.30	105.10	5410.26	48.34 N	260.98 E	130.73	12.49
5698.54	91.10	109.20	5410.15	39.44 N	289.80 E	156.06	14.84
5729.63	90.90	111.10	5409.61	28.74 N	318.98 E	183.02	6.14
5756.79	89.90	108.90	5409.42	19.45 N	344.50 E	206.54	8.90
5788.16	92.40	111.20	5408.79	8.70 N	373.96 E	233.72	10.83
5818.90	93.20	111.60	5407.29	2.51 S	402.55 E	260.67	2.91
5850.34	91.90	113.60	5405.89	14.58 S	431.54 E	288.55	7.58
5881.59	91.00	113.00	5405.10	26.93 S	460.23 E	316.46	3.46
5912.83	92.30	116.50	5404.20	40.00 S	488.59 E	344.70	11.95
5943.13	93.90	118.50	5402.56	53.97 S	515.42 E	372.65	8.45
5973.08	93.40	122.10	5400.65	69.05 S	541.22 E	400.79	12.11
6004.45	90.30	125.40	5399.64	86.47 S	567.29 E	430.88	14.43
6036.03	91.60	129.30	5399.12	105.62 S	592.38 E	461.68	13.02
6064.58	92.70	132.40	5398.04	124.28 S	613.96 E	489.85	11.51
6095.62	88.60	135.20	5397.69	145.75 S	636.35 E	520.69	15.99
6126.81	86.00	136.50	5399.16	168.10 S	658.05 E	551.76	9.32
6157.96	86.90	138.30	5401.09	190.99 S	679.10 E	582.82	6.45
6189.31	89.40	141.60	5402.10	214.97 S	699.25 E	614.15	13.20
6220.14	91.30	144.80	5401.91	239.65 S	717.72 E	644.92	12.07
6251.27	91.60	148.30	5401.13	265.61 S	734.87 E	675.83	11.28

SPERRY-SUN DRILLING SERVICES
SURVEY DATA

Platform ... : MOBIL
Slot/Well .. : #2 /RU12-23 L2ST2

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
6282.54	92.40	151.80	5400.03	292.68 S	750.47 E	706.60	11.47
6313.67	91.70	155.60	5398.92	320.57 S	764.25 E	736.82	12.40
6343.67	90.60	159.10	5398.32	348.25 S	775.80 E	765.44	12.23
6372.72	88.90	159.40	5398.44	375.41 S	786.09 E	792.87	5.94
6404.02	87.20	157.90	5399.51	404.54 S	797.48 E	822.51	7.24
6434.69	90.30	158.00	5400.18	432.96 S	808.99 E	851.67	10.11
6465.94	93.70	159.00	5399.09	462.01 S	820.43 E	881.29	11.34
6497.07	93.60	160.40	5397.11	491.15 S	831.21 E	910.53	4.50
6528.09	92.10	160.70	5395.56	520.36 S	841.53 E	939.54	4.93
6560.21	91.50	164.70	5394.56	551.01 S	851.07 E	969.15	12.59
6591.26	87.50	164.70	5394.83	580.95 S	859.26 E	997.36	12.88
6620.89	85.30	163.10	5396.69	609.36 S	867.46 E	1024.39	9.17
6652.07	84.50	160.20	5399.46	638.83 S	877.24 E	1053.25	9.61
6681.58	85.80	157.90	5401.95	666.29 S	887.75 E	1081.04	8.93
6712.32	88.20	155.90	5403.56	694.52 S	899.79 E	1110.41	10.16
6743.54	90.40	155.90	5403.94	723.02 S	912.54 E	1140.43	7.05
6773.85	91.40	158.90	5403.47	750.99 S	924.18 E	1169.35	10.43
6788.00	87.40	158.40	5403.62	764.17 S	929.33 E	1182.75	28.49

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.
N/E COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.
TVD COORDINATE VALUES GIVEN RELATIVE TO WELL HEAD.
THE VERTICAL SECTION ORIGIN IS WELL HEAD.
THE VERTICAL SECTION WAS COMPUTED ALONG 140.00 (TRUE).
CALCULATION METHOD: MINIMUM CURVATURE.

SPERRY-SUN DRILLING SERVICES
SURVEY DATA

Platform ... : MOBIL
Slot/Well .. : #2 /RU12-23 LEG 3

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
5306.00	0.65	13.94	5305.27	46.50 N	27.22 W	-53.12	0.00
5312.00	4.00	304.80	5311.26	46.65 N	27.38 W	-53.34	63.62
5316.00	5.90	304.80	5315.25	46.85 N	27.67 W	-53.67	47.50
5326.00	11.60	314.80	5325.13	47.85 N	28.80 W	-55.17	58.78
5336.00	17.70	324.80	5334.80	49.81 N	30.40 W	-57.69	65.82
5346.00	23.50	334.80	5344.16	52.86 N	32.12 W	-61.14	67.64
5356.00	29.40	338.20	5353.11	56.94 N	33.89 W	-65.40	60.89
5366.00	35.20	330.80	5361.56	61.74 N	36.21 W	-70.57	70.10
5376.00	40.30	324.50	5369.47	66.90 N	39.49 W	-76.63	63.89
5386.00	46.10	317.90	5376.76	72.21 N	43.79 W	-83.47	73.46
5396.00	51.60	317.90	5383.34	77.80 N	48.84 W	-90.99	55.00
5406.00	57.60	320.30	5389.13	83.96 N	54.17 W	-99.13	63.10
5416.00	63.00	317.20	5394.08	90.48 N	59.90 W	-107.81	60.33
5426.00	67.80	311.60	5398.25	96.83 N	66.39 W	-116.85	69.96
5433.00	70.40	308.30	5400.74	101.03 N	71.41 W	-123.29	57.61
5442.00	73.70	299.40	5403.52	105.78 N	78.51 W	-131.50	100.94
5452.00	78.90	294.10	5405.89	110.15 N	87.18 W	-140.42	73.17
5462.00	84.30	291.60	5407.35	113.99 N	96.30 W	-149.22	59.39
5483.02	86.10	291.60	5409.11	121.70 N	115.77 W	-167.64	8.56
5513.27	85.50	292.80	5411.33	133.10 N	143.70 W	-194.33	4.43
5543.00	87.90	294.00	5413.04	144.88 N	170.94 W	-220.87	9.02
5572.37	91.20	295.20	5413.27	157.11 N	197.64 W	-247.39	11.96
5603.62	93.20	295.90	5412.07	170.58 N	225.81 W	-275.82	6.78
5634.95	93.30	298.50	5410.29	184.87 N	253.63 W	-304.65	8.29
5666.35	93.10	301.10	5408.54	200.45 N	280.83 W	-334.07	8.29
5696.65	91.70	303.70	5407.27	216.67 N	306.39 W	-362.92	9.74
5726.59	90.50	306.90	5406.70	233.97 N	330.82 W	-391.87	11.41
5758.76	90.70	311.80	5406.36	254.36 N	355.68 W	-423.48	15.24
5790.61	91.30	314.80	5405.80	276.19 N	378.86 W	-455.10	9.60
5821.21	91.30	318.30	5405.11	298.40 N	399.89 W	-485.63	11.43
5852.44	94.00	319.60	5403.66	321.92 N	420.38 W	-516.82	9.59
5882.99	90.00	321.80	5402.60	345.54 N	439.71 W	-547.34	14.94
5913.94	89.50	323.70	5402.73	370.18 N	458.44 W	-578.25	6.35
5945.23	90.30	321.40	5402.79	395.02 N	477.47 W	-609.51	7.78
5974.86	89.80	319.80	5402.76	417.91 N	496.27 W	-639.14	5.66
6006.30	90.10	317.80	5402.79	441.57 N	516.98 W	-670.57	6.43
6035.96	90.20	316.80	5402.71	463.36 N	537.10 W	-700.20	3.39
6064.97	90.60	315.60	5402.51	484.30 N	557.17 W	-729.14	4.36
6096.36	90.40	313.70	5402.24	506.36 N	579.50 W	-760.39	6.09
6125.96	90.20	312.00	5402.08	526.49 N	601.20 W	-789.76	5.78

SPERRY-SUN DRILLING SERVICES
SURVEY DATA

Platform ... : MOBIL
Slot/Well .. : #2 /RU12-23 LEG 3

MEASURED DEPTH	ANGLE DEG	DIRECTION DEG	TVD	NORTHINGS FEET	EASTINGS FEET	VERTICAL SECTION	DOG LEG
6156.51	90.80	309.80	5401.81	546.49 N	624.29 W	-819.92	7.46
6187.51	90.90	307.80	5401.35	565.91 N	648.45 W	-850.33	6.46
6218.02	91.40	308.00	5400.74	584.65 N	672.52 W	-880.15	1.76
6249.35	91.10	310.50	5400.06	604.47 N	696.77 W	-910.92	8.03
6278.83	89.80	310.10	5399.83	623.53 N	719.25 W	-939.98	4.61
6308.58	85.60	310.20	5401.02	642.70 N	741.97 W	-969.26	14.12
6339.04	86.30	307.30	5403.17	661.71 N	765.66 W	-999.06	9.77
6369.86	89.00	306.60	5404.44	680.22 N	790.27 W	-1029.05	9.05
6401.00	90.30	306.10	5404.63	698.68 N	815.35 W	-1059.31	4.47
6430.28	90.90	310.00	5404.32	716.72 N	838.40 W	-1087.95	13.48
6460.18	91.10	315.40	5403.80	736.98 N	860.36 W	-1117.59	18.07
6491.26	90.60	314.90	5403.34	759.02 N	882.28 W	-1148.56	2.28
6521.83	89.70	314.10	5403.26	780.44 N	904.08 W	-1178.99	3.94
6553.15	91.80	316.10	5402.85	802.62 N	926.19 W	-1210.19	9.26
6584.29	92.30	314.30	5401.73	824.70 N	948.12 W	-1241.20	6.00
6615.65	90.20	312.40	5401.05	846.22 N	970.91 W	-1272.34	9.03
6646.85	90.60	309.50	5400.83	866.67 N	994.47 W	-1303.14	9.38
6678.55	89.90	306.30	5400.69	886.14 N	1019.48 W	-1334.13	10.33
6708.93	89.80	302.80	5400.77	903.37 N	1044.50 W	-1363.41	11.53
6739.87	89.60	299.60	5400.93	919.39 N	1070.96 W	-1392.70	10.36
6769.88	88.80	296.00	5401.35	933.38 N	1097.50 W	-1420.47	12.29
6801.26	89.70	298.50	5401.76	947.75 N	1125.39 W	-1449.41	8.47
6832.15	92.20	301.40	5401.25	963.17 N	1152.15 W	-1478.42	12.39
6863.15	93.00	304.90	5399.84	980.10 N	1178.07 W	-1508.05	11.57
6893.42	91.40	307.40	5398.68	997.94 N	1202.50 W	-1537.42	9.80
6924.94	88.80	304.50	5398.63	1016.44 N	1228.01 W	-1567.99	12.36
6955.92	86.40	308.00	5399.92	1034.74 N	1252.96 W	-1598.05	13.69
6978.00	87.40	310.60	5401.12	1048.70 N	1270.02 W	-1619.71	12.60
7010.00	90.00	312.00	5401.84	1069.81 N	1294.05 W	-1651.33	9.23

THE DOGLEG SEVERITY IS IN DEGREES PER 100.00 FEET.
N/E COORDINATE VALUES GIVEN RELATIVE TO WELL SYSTEM REFERENCE POINT.
TVD COORDINATE VALUES GIVEN RELATIVE TO WELL HEAD.
THE VERTICAL SECTION ORIGIN IS WELL HEAD.
THE VERTICAL SECTION WAS COMPUTED ALONG 140.00 (TRUE).
CALCULATION METHOD: MINIMUM CURVATURE.

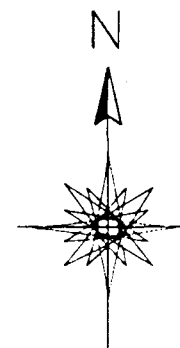
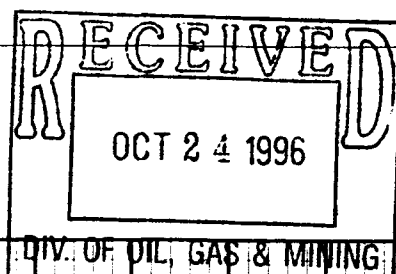
MOBILE & P SERVICES, INC.

Structure : Sec 12-T41S-R23E

Well: RU 12-23 3 Legs

Field : San Juan County

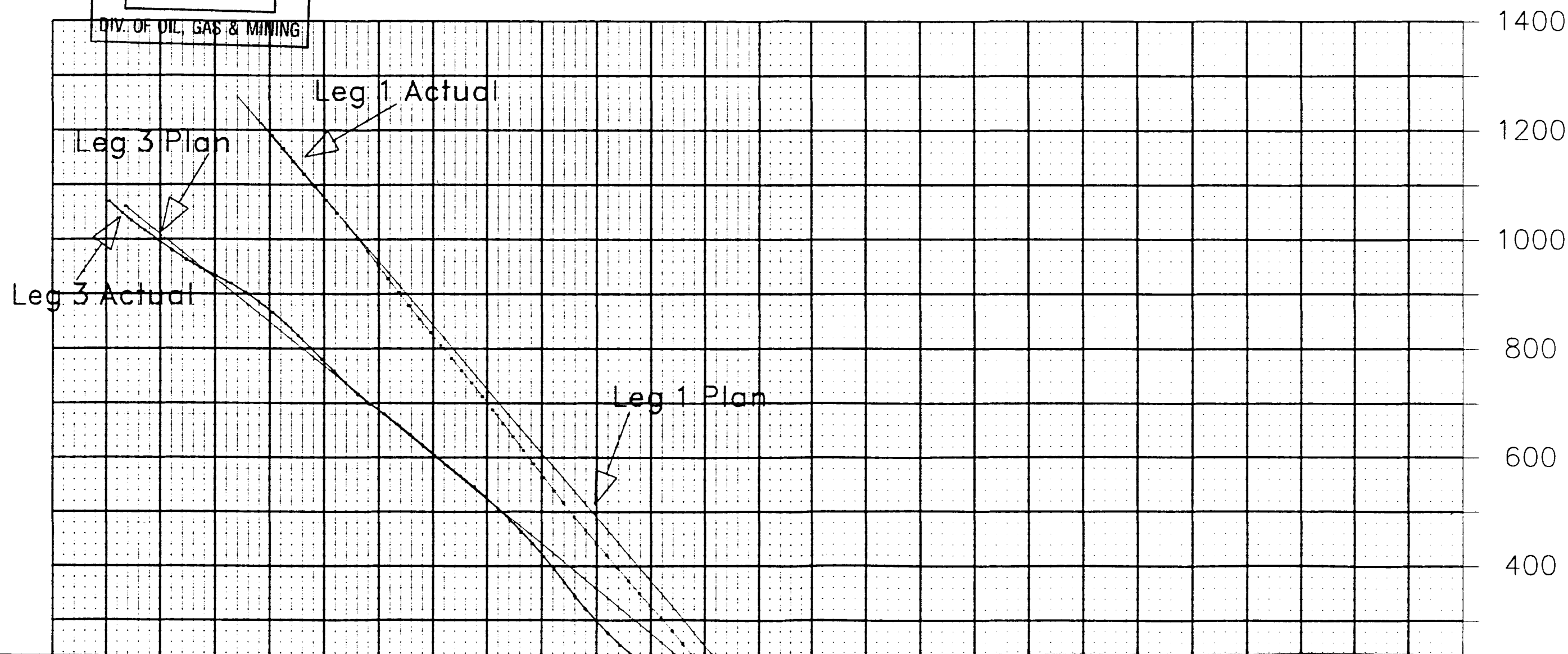
Location : UTAH

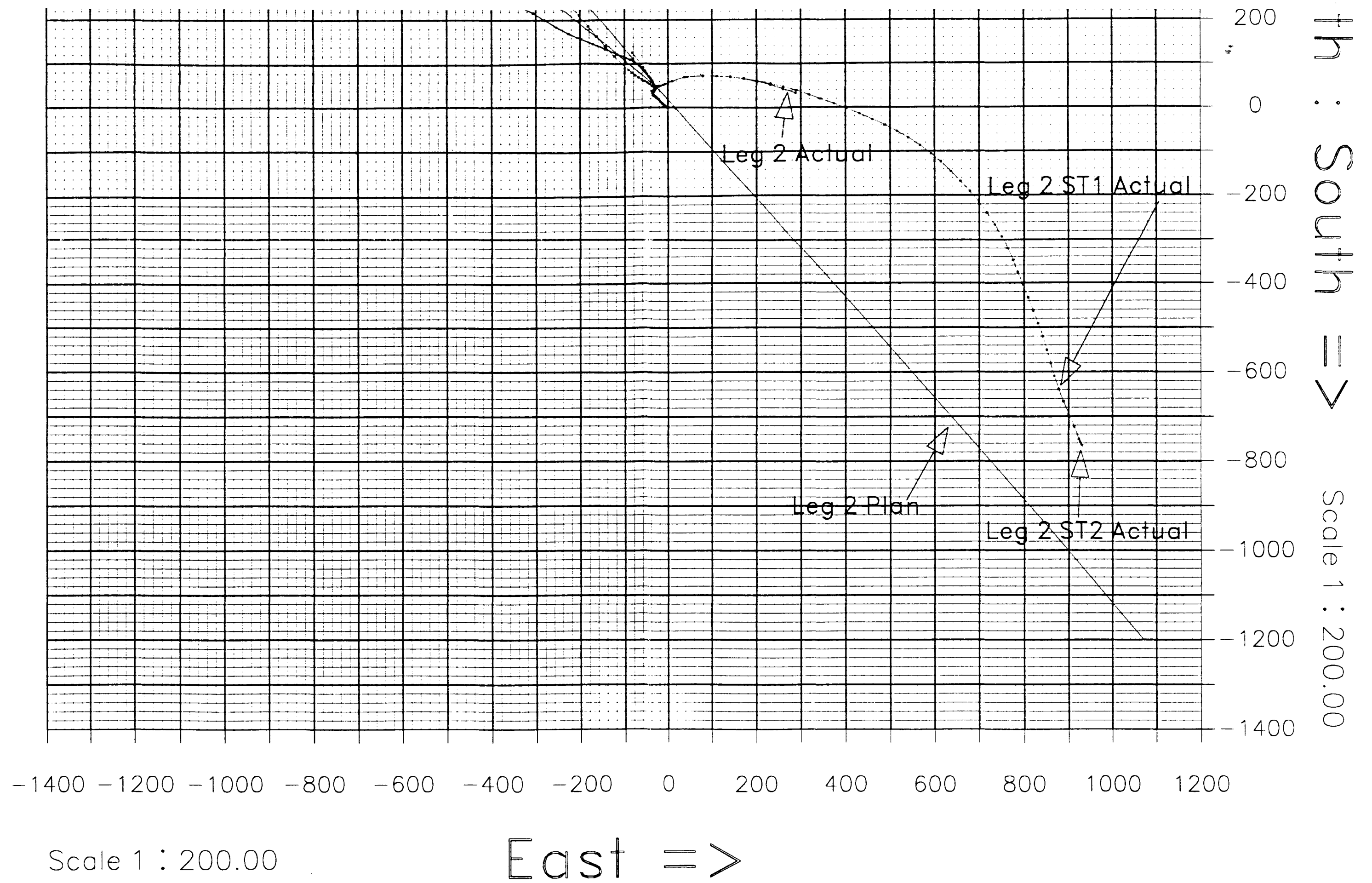


TRUE NORTH

sperry-sun
DRILLING SERVICES

Plan View



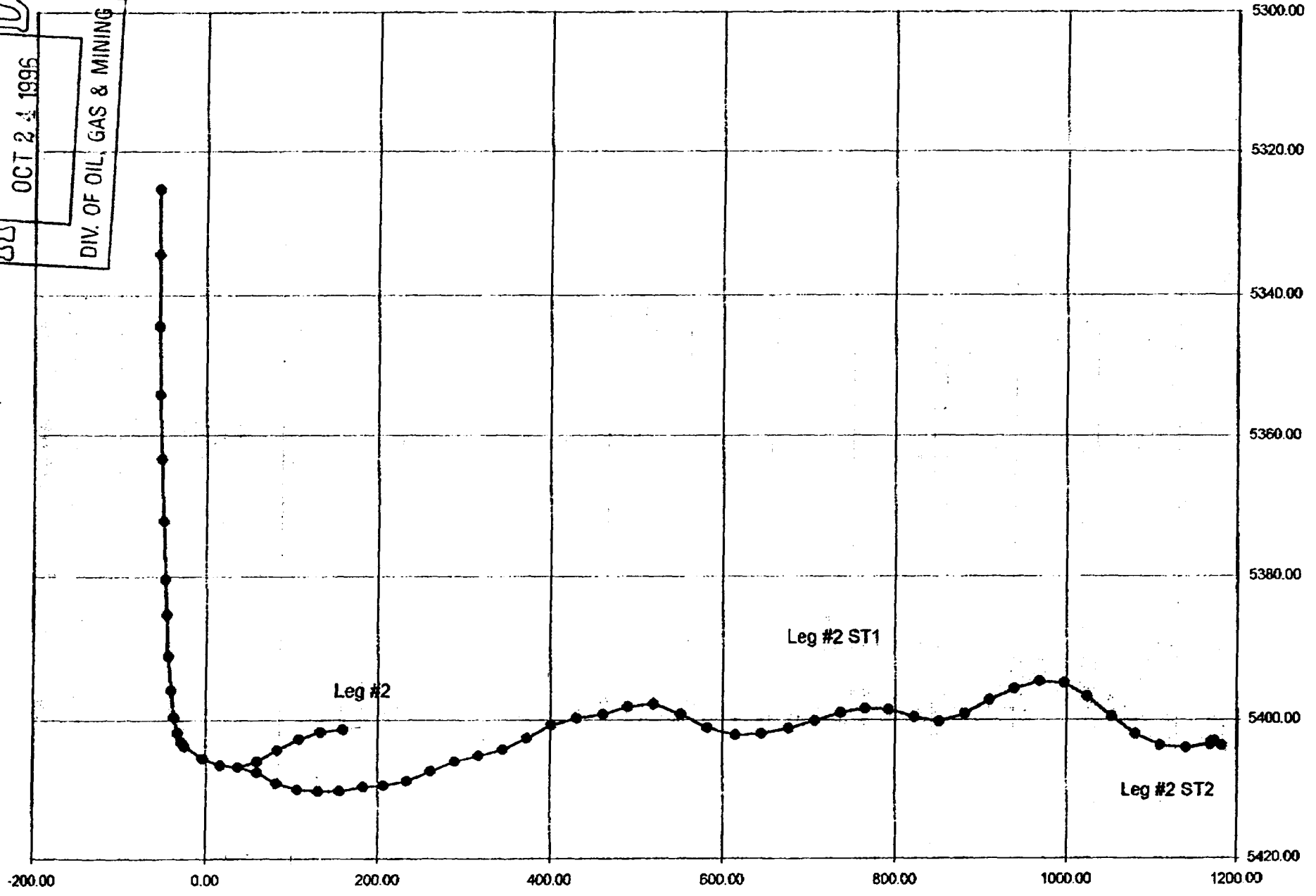


Mobil E&P Services, INC.
Ratherford Unit 12-23
Leg #2 w/ Sidetracks

RECEIVED
OCT 24 1996
DIV. OF OIL, GAS & MINING

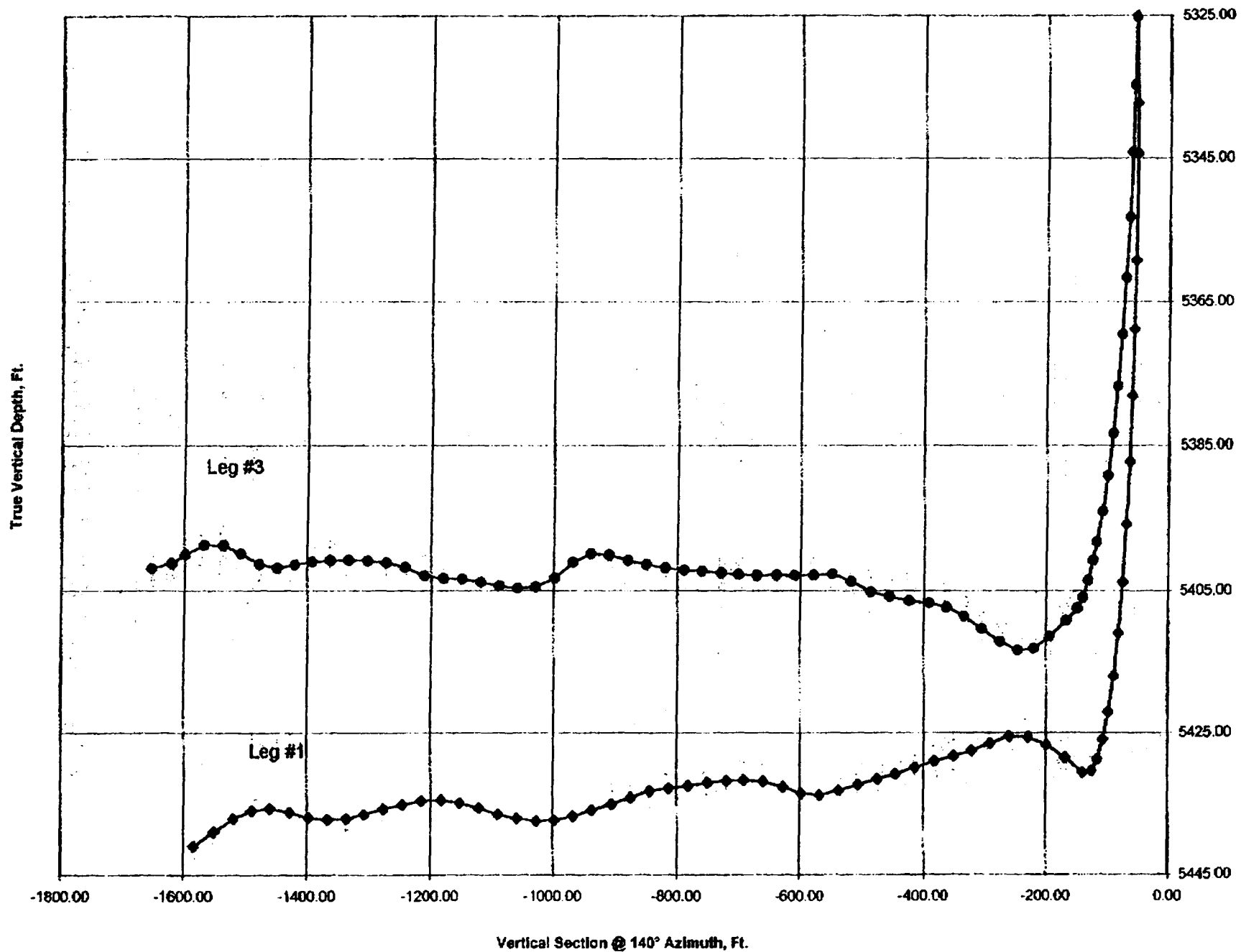
10-02-1996 11:50AM FROM SPEER SUN DRILLING 303 649 9727

True Vertical Depth, Ft.



Vertical Section @ 140° Azimuth, Ft.

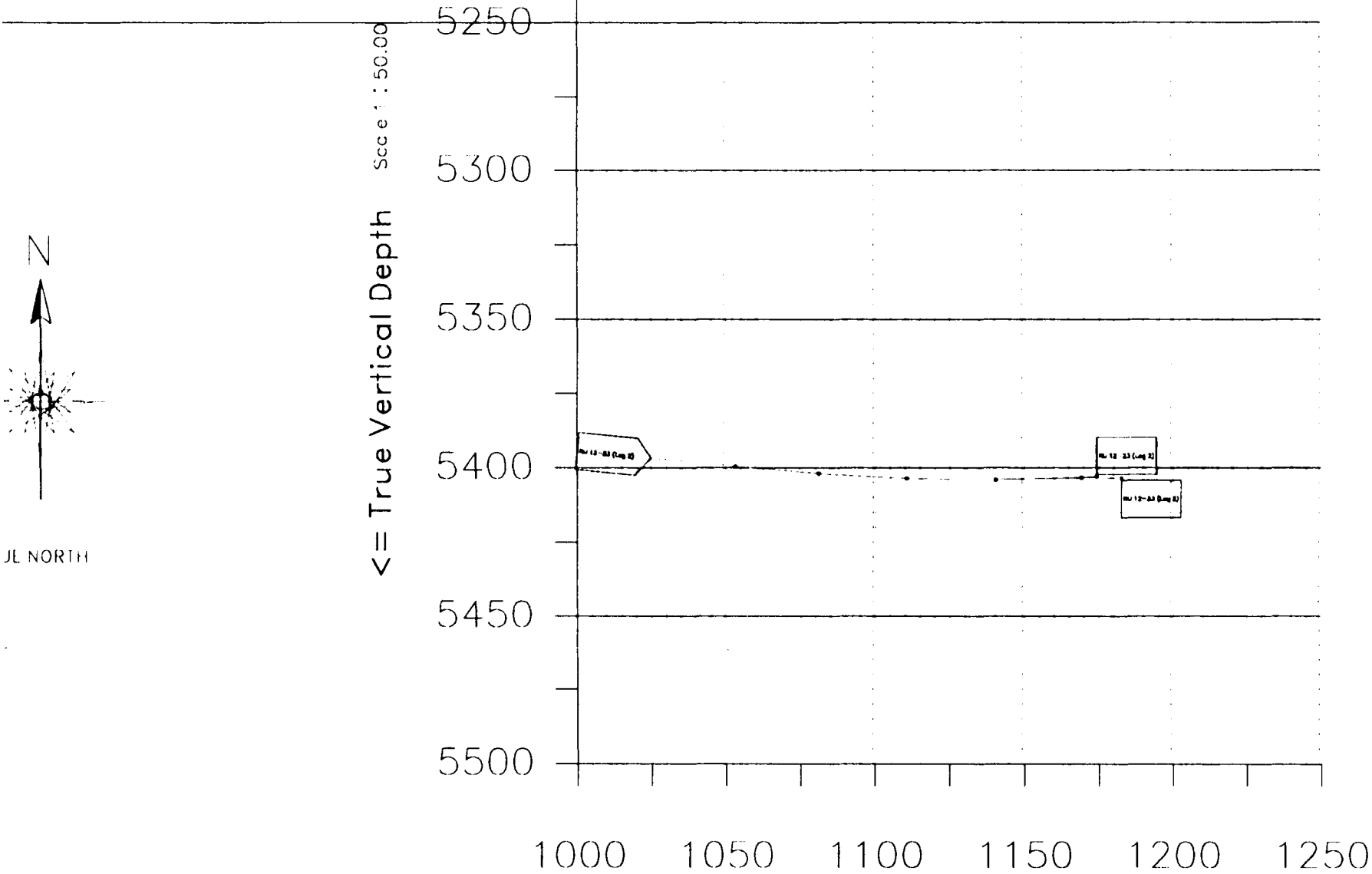
Mobil E&P Services, INC.
 Ratherford Unit #12-23
 Legs #1 & #3



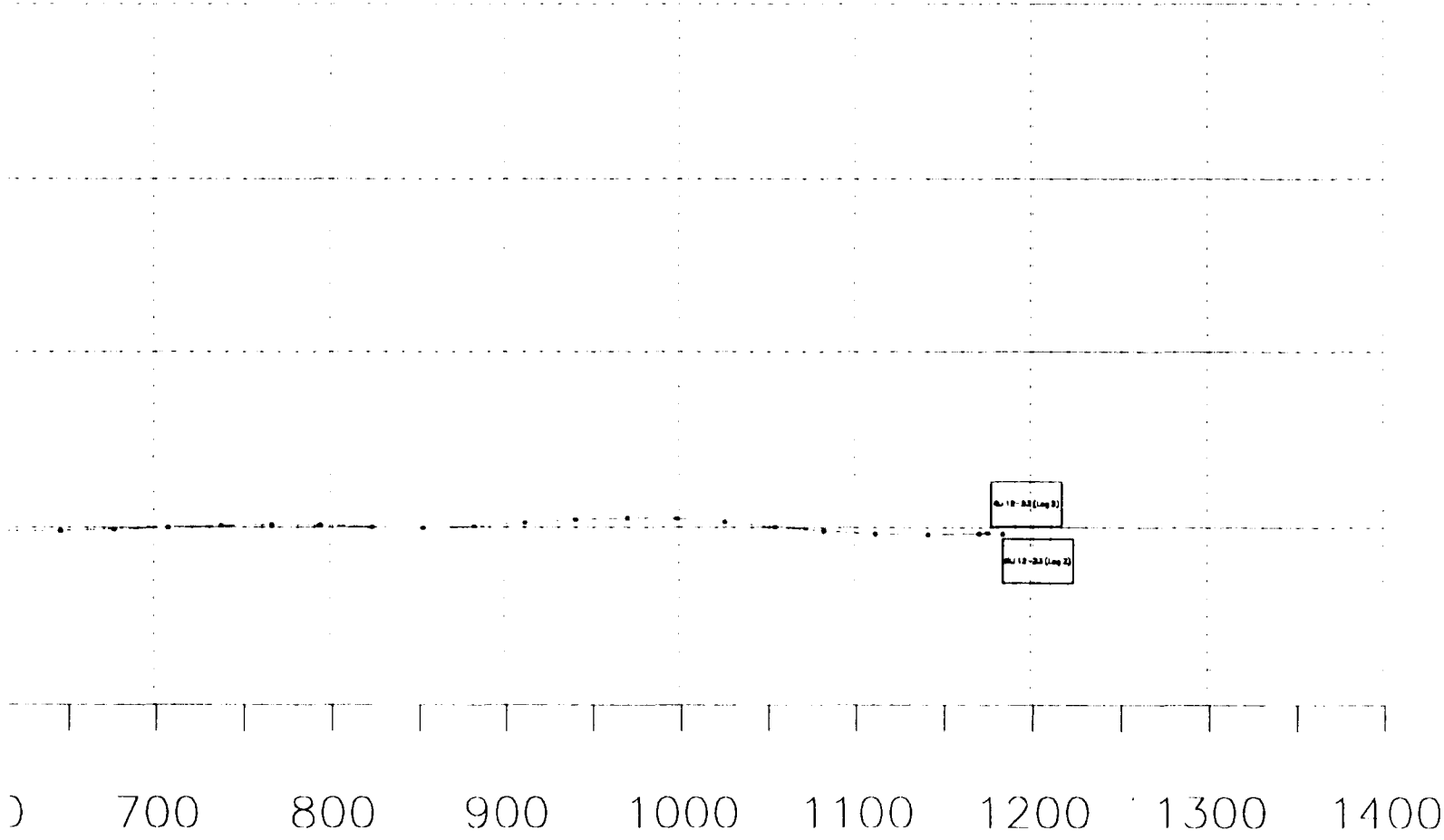
SERVICES, INC.

Well : RU 12-23 (Leg 2)

Location : UTAH



Scale 1 : 50.00 Vertical Section on 140.00 azimuth with reference 0.00 N, 0.00 E from RU 12-23



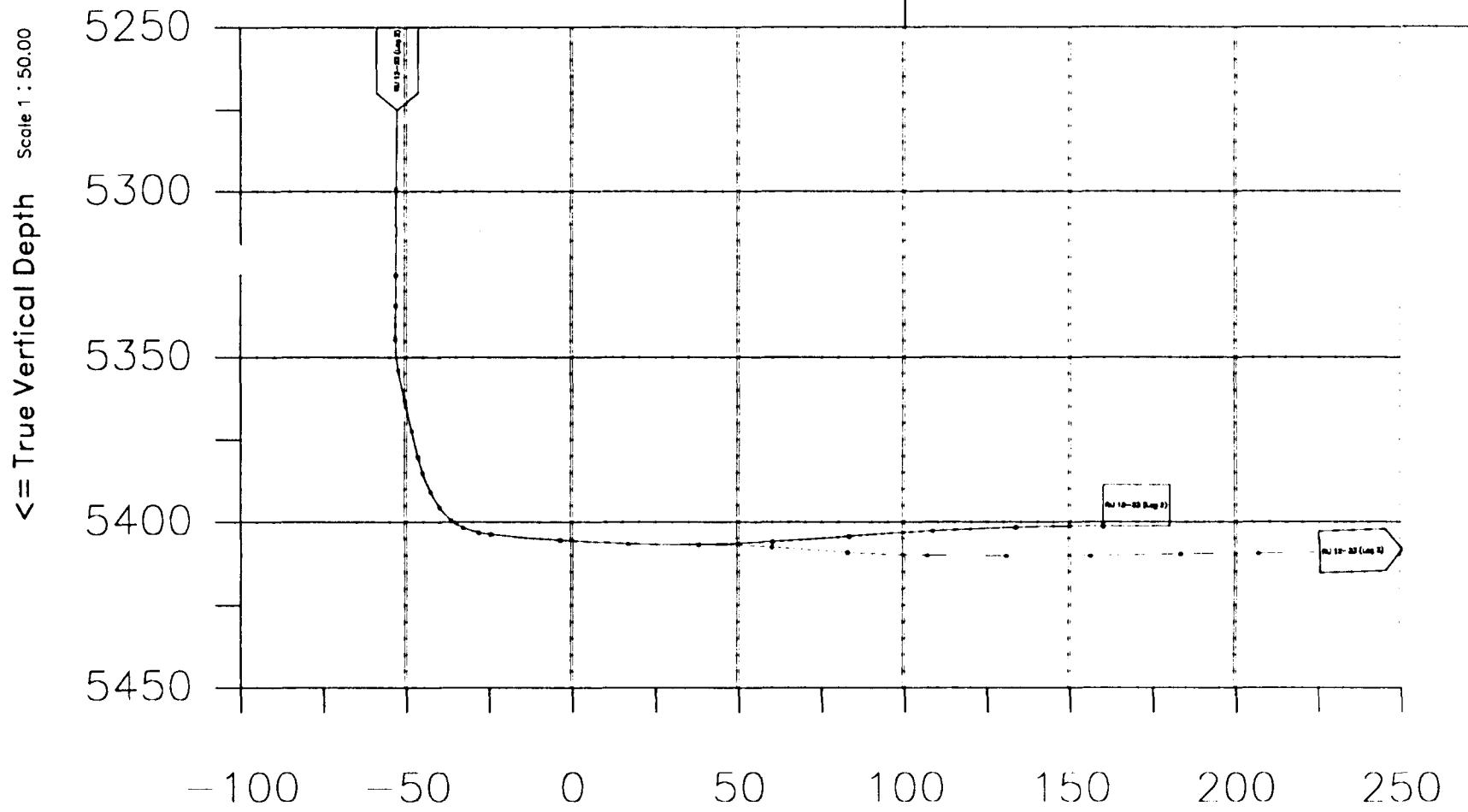
reference 0.00 N, 0.00 E from RU 12-23



MOBILE & P S

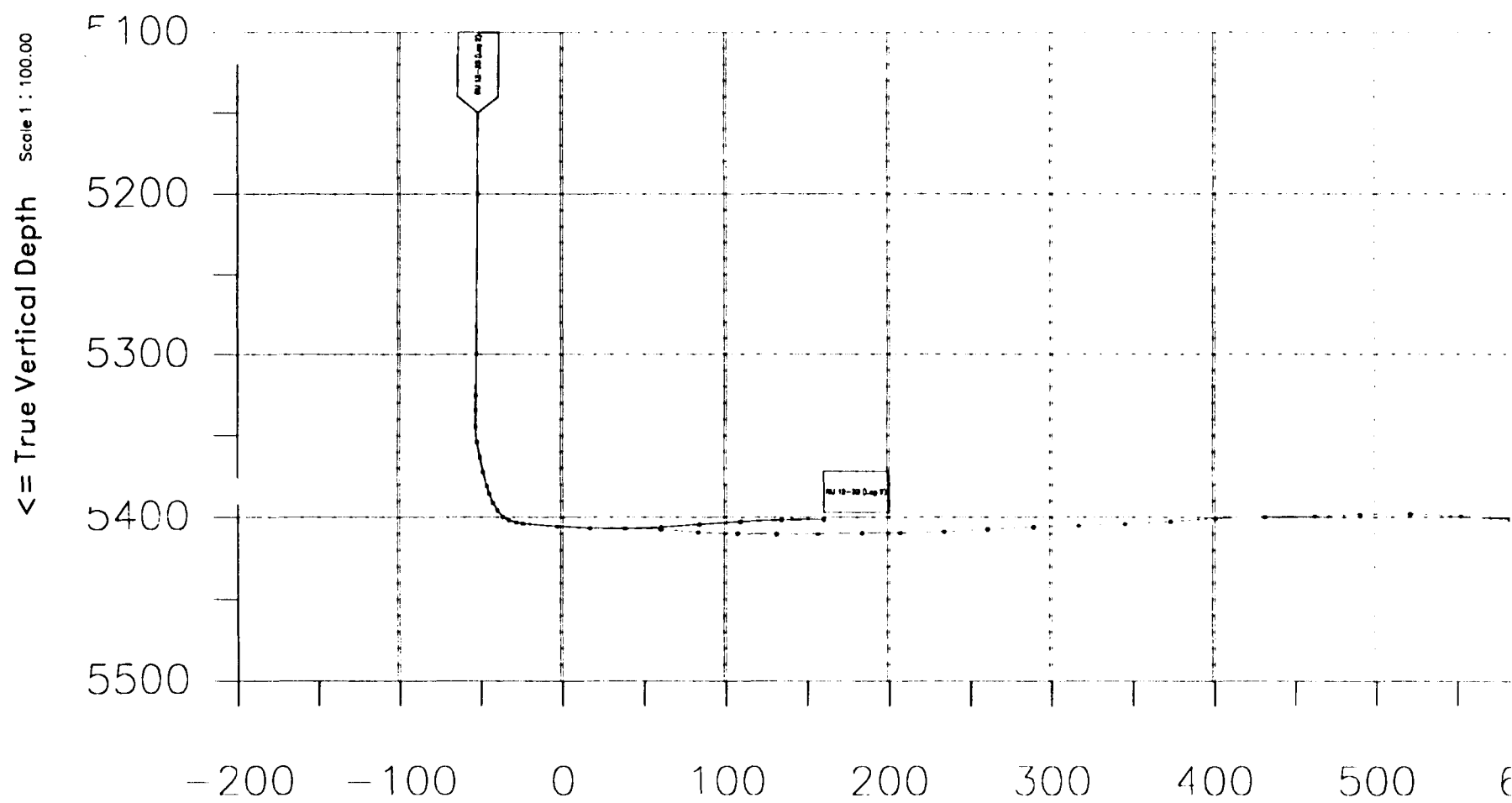
Structure : Sec 12-T41S-R23

Field : San Juan County



Scale 1 : 50.00

Vertical Section on 140.00 azimuth with reference 0.00 N, 0.00 E from RU 12-23



Scale 1 : 100.00

Vertical Section on 140.00 azimuth with

ExxonMobil Production Comp:

U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

June 27, 2001

ExxonMobil
Production

Mr. Jim Thompson
State of Utah, Division of Oil, Gas and Mining
1549 West North Temple
Suite 1210
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

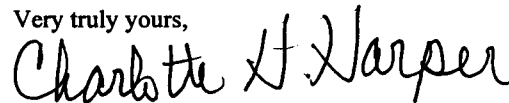
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper
Permitting Supervisor

ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001

DIVISION OF
OIL, GAS AND MINING



IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Navajo Area Office
NAVAJO REGIONP.O. Box 1060
Gallup, New Mexico 87305-1060

AUG 30 2001

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor
Exxon Mobil Production Company
U. S. West
P. O. Box 4358
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DENNETT DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<i>DSM</i>
NATV AM MIN COORD	
SOLID MIN TEAM	
PETRO MIN TEAM	<i>2</i>
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

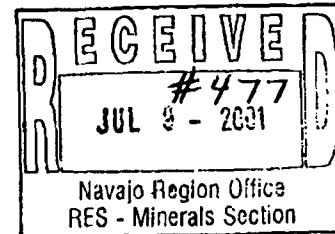
ps 7/12/01
SN
543
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

Ms. Genni Denetsone
United States Department of the Interior
Bureau of Indian Affairs, Navajo Region
Real Estate Services
P. O. Box 1060
Gallup, New Mexico 87305-1060
Mail Code 543



Change of Name –
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-, Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

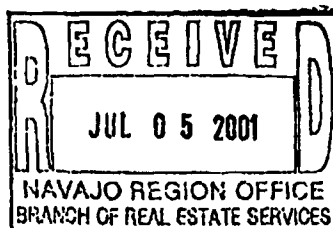
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Issa.

Bureau of Indian Affairs
Navajo Region Office
Attn: RRES - Mineral and Mining Section
P.O. Box 1060
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

DIRECTORS

Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>


Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800, whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218




Signature
AGENT AND ATTORNEY IN FACT
Title

SAL

CERTIFICATION

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

CHANGE OF COMPANY NAME

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

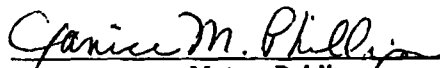
FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

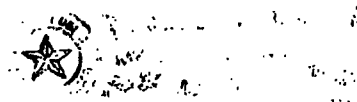
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.


Assistant Secretary

COUNTY OF DALLAS)
STATE OF TEXAS)
UNITED STATES OF AMERICA)

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.


Notary Public



LISTING OF LEASES OF MOBIL OIL CORPORATION**Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

One Chubb Plaza, Suite 1400, Houston, Texas 77027-3301
Telephone: (713) 297-4600 • Facsimile: (713) 297-4750

NEW Bond

FEDERAL INSURANCE COMPANY RIDER
to be attached to and form a part of

BOND NO 8027 31 97

wherein

Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is
named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of **United States of America, Department of the Interior**
Bureau of Indian Affairs

in the amount of **\$150,000.00**

bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001
the name of the Principal is changed

FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

ExxonMobil Oil Corporation

By: 

FEDERAL INSURANCE COMPANY

By: 

Mary Pierson, Attorney-in-fact

**Chubb
Surety****POWER
OF
ATTORNEY****Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company****Attn.: Surety Department
15 Mountain View Road
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **R.F. Bobo, Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas-----**

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this **10th** day of **May, 2001**.

Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.
County of Somerset

On this **10th** day of **May, 2001**, before me, a Notary Public of New Jersey, personally came **Kenneth C. Wendel**, to me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY**, the companies which executed the foregoing Power of Attorney, and the said **Kenneth C. Wendel** being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY**, and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with **Frank E. Robertson**, and knows him to be Vice President of said Companies; and that the signature of **Frank E. Robertson**, subscribed to said Power of Attorney is in the genuine handwriting of **Frank E. Robertson**, and was thereto subscribed by authority of said **Kenneth C. Wendel** in the presence of the said **Frank E. Robertson**.



Notary Public State of New Jersey
No. 2231647

Commission Expires **Oct 28, 2004**

Notary Public

Extract from the By-Laws of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY**:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, **Kenneth C. Wendel**, Assistant Secretary of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY** (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this **12th** day of **June, 2001**.



Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY
Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

**CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION**

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is **MOBIL OIL CORPORATION** and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st: The corporate name of said Company shall be,
ExxonMobil Oil Corporation,"

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC
CSC

5184334741

06/01 '01 08:47 NO.410 04/05
06/01 '01 09:06 NO.133 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



F. A. Risch, President

STATE OF TEXAS)
COUNTY OF DALLAS)

F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.



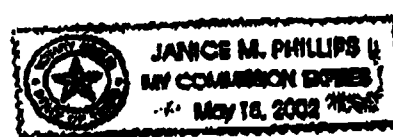
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]



NOTARY PUBLIC, STATE OF TEXAS



=> CSC

.TEL=5184334741

06/01'01 08:19

CSC
CSC

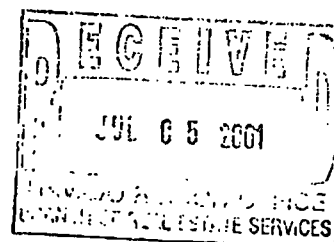
5184334741

06/01 '01 09:01 NO. 411 02/02
06/01 '01 09:06 NO. 153
F010601000187**CSC 45****CERTIFICATE OF AMENDMENT****OF****MOBIL OIL CORPORATION**

Under Section 805 of the Business Corporation Law

**STATE OF NEW YORK
DEPARTMENT OF STATE**Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

5959 Las Colinas Blvd.
(Mailing address)TAX \$
BY: *SAC*Irvine, TX 75039-2298
(City, State and Zip code)*Cust Ref # 165578 MPJ***010601000195**

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06/01'01 08:19

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on **JUN 01 2001**



A handwritten signature in black ink, appearing to read "J. H. ...", followed by a long horizontal line.

Special Deputy Secretary of State

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW✓

3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

FROM: (Old Operator):	TO: (New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No.

Unit:

RATHERFORD

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD UNIT 1-34	01-41S-23E	43-037-16385	6280	INDIAN	OW	P
RATHERFORD UNIT 1-14	01-41S-23E	43-037-31162	6280	INDIAN	OW	P
RATHERFORD 11-41	11-41S-23E	43-037-31544	6280	INDIAN	OW	P
RATHERFORD UNIT 11-43	11-41S-23E	43-037-31622	6280	INDIAN	OW	P
12-14	12-41S-23E	43-037-15844	6280	INDIAN	OW	P
RATHERFORD UNIT 12-23 (MULTI-LEG)	12-41S-23E	43-037-15846	6280	INDIAN	OW	P
RATHERFORD UNIT 12-34	12-41S-23E	43-037-31126	6280	INDIAN	OW	P
RATHERFORD UNIT 12-12	12-41S-23E	43-037-31190	6280	INDIAN	OW	P
RATHERFORD UNIT 12-21	12-41S-23E	43-037-31201	6280	INDIAN	OW	P
RATHERFORD UNIT 12-43	12-41S-23E	43-037-31202	6280	INDIAN	OW	P
RATHERFORD UNIT 12-32	12-41S-23E	43-037-31203	6280	INDIAN	OW	P
RATHERFORD UNIT 13-41	13-41S-23E	43-037-15856	6280	INDIAN	OW	P
N DESERT CR 32-13 (13-32)	13-41S-23E	43-037-16406	6280	INDIAN	OW	S
RATHERFORD UNIT 13-12	13-41S-23E	43-037-31127	6280	INDIAN	OW	P
RATHERFORD UNIT 13-21	13-41S-23E	43-037-31128	6280	INDIAN	OW	P
RATHERFORD UNIT 13-23	13-41S-23E	43-037-31129	6280	INDIAN	OW	P
RATHERFORD UNIT 13-34 (RE-ENTRY)	13-41S-23E	43-037-31130	6280	INDIAN	OW	P
RATHERFORD UNIT 13-43	13-41S-23E	43-037-31131	6280	INDIAN	OW	P
RATHERFORD UNIT 13-14	13-41S-23E	43-037-31589	6280	INDIAN	OW	P
14-32	14-41S-23E	43-037-15858	6280	INDIAN	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
5. If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 04/12/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/12/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 80273197

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **6/1/2006**

FROM: (Old Operator):
 N1855-ExxonMobil Oil Corporation
 PO Box 4358
 Houston, TX 77210-4358
 Phone: 1 (281) 654-1936

TO: (New Operator):
 N2700-Resolute Natural Resources Company
 1675 Broadway, Suite 1950
 Denver, CO 80202
 Phone: 1 (303) 534-4600

CA No.

Unit:

RATHERFORD

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
- If **NO**, the operator was contacted on: _____
- (R649-9-2) Waste Management Plan has been received on: requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/22/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 6/22/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: PA002769
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a
 The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached list

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Navajo Tribe

7. UNIT or CA AGREEMENT NAME:

Ratherford Unit

8. WELL NAME and NUMBER:

See attached list

9. API NUMBER:

Attached

10. FIELD AND POOL, OR WILDCAT:

Greater Aneth

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER Unit Agreement

2. NAME OF OPERATOR:

Resolute Natural Resources Company

N2700

3. ADDRESS OF OPERATOR:

1675 Broadway, Suite 1950

CITY Denver

STATE CO

ZIP 80202

PHONE NUMBER:

(303) 534-4600

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached list

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT)

Dwight E Mallory

TITLE

Regulatory Coordinator

SIGNATURE

DATE

4/20/2006

(This space for State use only)

APPROVED

6127106

Earlene Russell

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ship Rock
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <i>N1855</i>		7. UNIT or CA AGREEMENT NAME: UTU68931A
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358		8. WELL NAME and NUMBER: Ratherford
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		9. API NUMBER: attached
		10. FIELD AND POOL, OR WILDCAT: Aneth
		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of producers and water source wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <i>Laurie B. Kilbride</i>	DATE <u>4/19/2006</u>

(This space for State use only)

APPROVED 6/30/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
APR 21 2006

DIV. OF OIL, GAS & MINING

Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	01-14	430373116200S1	Producing	1420603246A	1	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	01-34	430371638501S1	SI	1420603246A	1	41S	23E	SWSE	1133FSL	1980FEL
Ratherford	11-41	430373154400S1	Producing	1420603246A	11	41S	23E	NENE	0860FNL	0350FEL
Ratherford	11-43	430373162201S1	Producing	1420603246A	11	41S	23E	NESE	1980FSL	0660FEL
Ratherford	12-12	430373119000S1	Producing	1420603246A	12	41S	23E	SWNW	1850FNL	0660FWL
Ratherford	12-14	430371584400S1	SI	1420603246A	12	41S	23E	SWSW	0660FSL	4622FEL
Ratherford	12-21	430373120100S1	Producing	1420603246A	12	41S	23E	NENW	0660FNL	1980FWL
Ratherford	12-23	430371584601S1	Producing	1420603246A	12	41S	23E	NESW	1958FSL	3300FEL
Ratherford	12-32	430373120300S1	Producing	1420603246A	12	41S	23E	SWNE	1820FNL	1820FEL
Ratherford	12-34	430373112600S1	Producing	1420603246A	12	41S	23E	SWSE	0675FSL	1905FEL
Ratherford	12-43	430373120200S1	SI	1420603246A	12	41S	23E	NESE	2100FSL	0660FEL
Ratherford	13-12	430373112701S1	Producing	1420603247A	13	41S	23E	SWNW	1705FNL	0640FWL
Ratherford	13-14	430373158900S1	Producing	1420603247A	13	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	13-21	430373112801S1	SI	1420603247A	13	41S	23E	NENW	0660FNL	1920FWL
Ratherford	13-23	430373112900S1	Producing	1420603247A	13	41S	23E	NESW	1980FSL	1930FWL
Ratherford	13-34	430373113001S1	Producing	1420603247A	13	41S	23E	SWSE	0660FSL	1980FEL
Ratherford	13-41	430371585601S1	Producing	1420603247A	13	41S	23E	NENE	660FNL	660FEL
Ratherford	13-43	430373113100S1	Producing	1420603247A	13	41S	23E	NESE	1700FSL	0960FEL
Ratherford	14-32	430371585801S1	Producing	1420603247A	14	41S	23E	SWNE	2130FNL	1830FEL
Ratherford	14-41	430373162300S1	Producing	1420603247A	14	41S	23E	NENE	0521FNL	0810FEL
Ratherford	24-32	430373159300S1	Producing	1420603247A	24	41S	23E	SWNE	2121FNL	1846FEL
Ratherford	24-41	430373113200S1	Producing	1420603247A	24	41S	23E	NENE	0660FNL	0710FEL
Ratherford	17-11	430373116900S1	Producing	1420603353	17	41S	24E	NWNW	1075FNL	0800FWL
Ratherford	17-13	430373113301S1	Producing	1420603353	17	41S	24E	NWSW	2100FSL	0660FWL
Ratherford	17-22	430373117001S1	Producing	1420603353	17	41S	24E	SENE	1882FNL	1910FWL
Ratherford	17-24	430373104400S1	Producing	1420603353	17	41S	24E	SESW	0720FSL	1980FWL
Ratherford	17-31	430373117800S1	Producing	1420603353	17	41S	24E	NWNE	0500FNL	1980FEL
Ratherford	17-33	430373113400S1	Producing	1420603353	17	41S	24E	NWSE	1980FSL	1845FEL
Ratherford	17-42	430373117700S1	Producing	1420603353	17	41S	24E	SENE	1980FNL	0660FEL
Ratherford	17-44	430371573201S1	Producing	1420603353	17	41S	24E	SESE	0660FSL	0660FEL
Ratherford	18-11	430371573300S1	SI	1420603353	18	41S	24E	NWNW	0720FNL	0730FWL
Ratherford	18-13	430371573401S1	Producing	1420603353	18	41S	24E	NWSW	1980FSL	0500FWL
Ratherford	18-22	430373123600S1	Producing	1420603353	18	41S	24E	SENE	2200FNL	2210FWL
Ratherford	18-24	430373107900S1	Producing	1420603353	18	41S	24E	SESW	0760FSL	1980FWL
Ratherford	18-31	430373118101S1	Producing	1420603353	18	41S	24E	NWNE	0795FNL	2090FEL
Ratherford	18-33	430373113501S1	Producing	1420603353	18	41S	24E	NWSE	1870FSL	1980FEL
Ratherford	18-42	430373118200S1	Producing	1420603353	18	41S	24E	SENE	2120FNL	0745FEL
Ratherford	18-44	430373104500S1	SI	1420603353	18	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-11	430373108000S1	Producing	1420603353	19	41S	24E	NWNW	0660FNL	0660FWL
Ratherford	19-13	430373171900S1	Producing	1420603353	19	41S	24E	NWSW	1980FSL	0660FWL
Ratherford	19-22	430373104601S1	Producing	1420603353	19	41S	24E	SENE	1840FNL	1980FWL
Ratherford	19-24	430373175401S1	Producing	1420603353	19	41S	24E	SESW	0600FSL	1980FWL
Ratherford	19-31	430373104701S1	Producing	1420603353	19	41S	24E	NWNE	510FNL	1980FEL
Ratherford	19-33	430373104800S1	Producing	1420603353	19	41S	24E	NWSE	1980FSL	1980FEL
Ratherford	19-42	430373091600S1	Producing	1420603353	19	41S	24E	SENE	1880FNL	0660FEL
Ratherford	19-44	430373108100S1	Producing	1420603353	19	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-97	430373159600S1	Producing	1420603353	19	41S	24E	SENE	2562FNL	0030FEL
Ratherford	20-11	430373104900S1	Producing	1420603353	20	41S	24E	NWNW	0500FNL	0660FWL
Ratherford	20-13	430373091700S1	Producing	1420603353	20	41S	24E	NWSW	2140FSL	0500FWL
Ratherford	20-22	430373093000S1	Producing	1420603353	20	41S	24E	SENE	2020FNL	2090FWL
Ratherford	20-24	430373091800S1	Producing	1420603353	20	41S	24E	SESW	0820FSL	1820FWL

Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	20-31	430373105001S1	Producing	1420603353	20	41S	24E	NWNE	0660FNL	1880FEL
Ratherford	20-33	430373093100S1	Producing	1420603353	20	41S	24E	NWSE	1910FSL	2140FEL
Ratherford	20-42	430373105100S1	Producing	1420603353	20	41S	24E	SENE	1980FNL	0660FEL
Ratherford	20-44	430373091501S1	Producing	1420603353	20	41S	24E	SESE	0620FSL	0760FEL
Ratherford	20-66	430373159201S1	Producing	1420603353	20	41S	24E	SWNW	1369FNL	1221FWL
Ratherford	20-68	430373159100S1	Producing	1420603353	20	41S	24E	NWSW	1615FSL	1276FWL
Ratherford	15-12	430371571501S1	Producing	1420603355	15	41S	24E	SWNW	1820FNL	0500FWL
Ratherford	15-22	430373044900S1	SI	1420603355	15	41S	24E	SENE	1980FNL	2050FWL
Ratherford	15-32	430371571700S1	Producing	1420603355	15	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	15-33	430371571800S1	Producing	1420603355	15	41S	24E	NWSE	1650FSL	1980FEL
Ratherford	15-41	430371571900S1	TA	1420603355	15	41S	24E	NENE	0660FNL	0660FEL
Ratherford	15-42	430373044800S1	Producing	1420603355	15	41S	24E	SENE	2020FNL	0820FEL
Ratherford	16-13	430373116801S1	Producing	1420603355	16	41S	24E	NWSW	1980FSL	660FWL
Ratherford	16-32	430371572300S1	Producing	1420603355	16	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	16-41	430371572500S1	Producing	1420603355	16	41S	24E	NENE	0660FNL	0660FEL
Ratherford	16-77	430373176800S1	Producing	1420603355	16	41S	24E	NESW	2587FSL	2410FWL
Ratherford	21-23	430371375400S1	Producing	1420603355	21	41S	24E	NESW	1740FSL	1740FWL
Ratherford	21-24	430373172001S1	SI	1420603355	21	41S	24E	SESW	487FSL	2064FWL
Ratherford	21-32	430371575500S1	SI	1420603355	21	41S	24E	SWNE	1880FNL	1980FEL
Ratherford	21-77	430373175801S1	SI	1420603355	21	41S	24E	NWSE	2511FSL	2446FEL
Ratherford	07-11	430373116300S1	Producing	1420603368	7	41S	24E	NWNW	0660FNL	0710FWL
Ratherford	07-13	430373116400S1	Producing	1420603368	7	41S	24E	NWSW	2110FSL	0740FWL
Ratherford	07-22	430373116500S1	Producing	1420603368	7	41S	24E	SENE	1980FNL	1980FWL
Ratherford	07-24	430373116600S1	Producing	1420603368	7	41S	24E	SESW	0880FSL	2414FWL
Ratherford	07-44	430373118900S1	SI	1420603368	7	41S	24E	SESE	0737FSL	0555FEL
Ratherford	08-12	430371599100S1	Producing	1420603368	8	41S	24E	SWNW	1909FNL	0520FWL
Ratherford	08-21	430371599300S1	Producing	1420603368	8	41S	24E	NENW	0616FNL	1911FWL
Ratherford	08-23	430371599400S1	Producing	1420603368	8	41S	24E	NESW	1920FSL	2055FWL
Ratherford	08-32	430371599500S1	Producing	1420603368	8	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	08-34	430371599600S1	Producing	1420603368	8	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	04-34	430371616400S1	Producing	14206034035	4	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	11-14	430371616700S1	Producing	14206034037	11	41S	24E	SWSW	0660FSL	0660FWL
Ratherford	09-34	430371571100S1	SI	14206034043	9	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	10-12	430371571200S1	Producing	14206034043	10	41S	24E	SWNW	1980FNL	0660FWL
Ratherford	10-14	430371571300S1	Producing	14206034043	10	41S	24E	SWSW	0510FSL	0710FWL
Ratherford	10-32	430371571400S1	TA	14206034043	10	41S	24E	SWNE	2080FNL	1910FEL
Ratherford	10-44	430373045100S1	TA	14206034043	10	41S	24E	SESE	0820FSL	0510FEL
Ratherford	29-11	430373105300S1	Producing	1420603407	29	41S	24E	NWNW	0770FNL	0585FWL
Ratherford	29-22	430373108200S1	Producing	1420603407	29	41S	24E	SENE	2130FNL	1370FWL
Ratherford	29-31	430373091401S1	Producing	1420603407	29	41S	24E	NWNE	0700FNL	2140FEL
Ratherford	29-33	430373093200S1	SI	1420603407	29	41S	24E	NWSE	1860FSL	1820FEL
Ratherford	29-34	430371534000S1	SI	1420603407	29	41S	24E	SWSE	0817FSL	2096FEL
Ratherford	29-42	430373093700S1	SI	1420603407	29	41S	24E	SENE	1850FNL	0660FEL
Ratherford	30-32	430371534200S1	Producing	1420603407	30	41S	24E	SWNE	1975FNL	2010FEL
Ratherford	28-11	430373044600S1	Producing	1420603409	28	41S	24E	NWNW	0520FNL	0620FWL

Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	09-12	430371512600S1	Producing	14206035045	9	41S	24E	SWNW	1865FNL	0780FWL
Ratherford	09-14	430371512700S1	Producing	14206035046	9	41S	24E	SWSW	0695FSL	0695FWL
Ratherford	04-14	430371616300S1	Producing	14206035446	4	41S	24E	SWSW	0500FSL	0660FWL
Ratherford	03-12	430371562000S1	Producing	14206036506	3	41S	24E	SWNW	2140FNL	0660FWL

Water Source Wells (Feb 2006)

RU	S1	4303700001	Active
RU	S2	4303700002	Active
RU	S3	4303700003	Active
RU	S4	4303700004	Active
RU	S5	4303700005	Active
RU	S6	4303700006	Active
RU	S7	4303700007	Active
RU	S8	4303700008	Active
RU	S9	4303700009	Active
RU	S10	4303700010	Active
RU	S11	4303700011	Active
RU	S12	4303700012	Active
RU	S13	4303700013	Active
RU	S14	4303700014	Active
RU	S16	4303700016	Active
RU	S17	4303700017	Active

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-246A			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO			
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		7. UNIT or CA AGREEMENT NAME: RATHERFORD			
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202		8. WELL NAME and NUMBER: RATHERFORD UNIT 12-23 (MULTI-LEG)			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1958 FSL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 12 Township: 41.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037158460000			
9. FIELD and POOL or WILDCAT: GREATER ANETH		COUNTY: SAN JUAN			
STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/30/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> Resolute proposes an attempt to repair the tubing and ESP to enhance oil production in the subject well. The proposed procedure and well bore schematic are attached. The work is proposed to commence in late January, 2014. </div> <div style="width: 25%; text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining Date: January 23, 2014 By: <u><i>Derek Quist</i></u> </div> </div>					
NAME (PLEASE PRINT) Sherry Glass		PHONE NUMBER 303 573-4886			
SIGNATURE N/A		TITLE Sr Regulatory Technician			
DATE 1/22/2014					

RESOLUTE

NATURAL RESOURCES

RU 12-23

1958' FSL, 3300' FWL

NWSE section 23-T41S-R23E

43-037-15846

ESP Replacement

Job Scope

Job Scope includes: Pull tubing & ESP, make bit & scraper trip, clean out to PBD, and run replacement ESP.

(Acid planned? N; Change of tubing size? N; Paraffin expected? N)

Work History

Aug-Sept 1996: Drilled four 4-3/4" horizontal laterals out of 5-1/2" csg, two to the NW, two to the SE.

11/11/2002: ESP Replacement - Pulled tbg & ESP; Ran new ESP - wouldn't start; POOH, resplice cable, re-land tbg, would not pump up; POOH found HIT at jt #134. PU & ran new tbg & ESP, landed tbg, ND BOP, NU tree, started ESP - pumped up OK.

3/19/2007: ESP Replacement - Killed well, pulled tbg & failed ESP; made bit & scraper run; Ran new ESP & cable; Landed tbg, ND BOP, NU tree, RDMO; Installed variable speed drive.

Procedure

Horsley Witten: NO

- 1) MIRU WSU. LOTO equipment. Test rig anchors as required.
- 2) Kill well as necessary.
- 3) NDWH. NU BOP. Test BOP.
- 4) MIRU ESP cable spooler & cap string spooler.
- 5) POOH with the 2-7/8" tubing, ESP assembly, ESP cable, and 60' capillary string.
- 6) Lay down tubing & inspect for tubing condition. Call Bill Albert for tubing inspection at (970) 371-9682 or if unavailable, call Tech Support: Virgil Holly (435) 444-0020 or Julius Claw (435) 444-0156.
- 7) Send laid down tubing for inspection; Lay down failed ESP assembly.
- 8) Make bit & scraper trip to 5348' PBD. Circ clean at top of TIW Big Bore pkr, use N2 if fill is encountered. POOH.
- 9) RIH with replacement ESP assembly & Centinel, ESP cable, new FBNAU 2-7/8" tubing, including 2-7/8" check valve two joints above the ESP & 'XA' sliding sleeve w/1.81 X profile 1 joint above the check valve. Run new 1/4" cap string to 60' depth.
- 10) Land tubing w/ ESP assembly bottom at ~5200'.
- 11) Perform WH penetrator tie-ins at tubing hanger for ESP cable & capillary string and land tubing.
- 12) ND BOPE. NUWH. Re-connect to VSD and transformer.
- 13) Perform necessary tests to ensure that the pump is ready to be returned to production.
- 14) Notify Operations Supervisor Alfred Redhouse (435) 619-7227 that the well is ready to return to production.
- 15) RDMOL.
- 16) Hook up appropriate chemical treatment equipment.

RATHERFORD UNIT # 12-23HZ

GREATER ANETH FIELD

Surface Loc. 1958' FSL & 3300' FEL

SEC 12-T41S-R24E

BHL Locations: see below

API 43-037-15846

PRISM 0042988

PRODUCER

